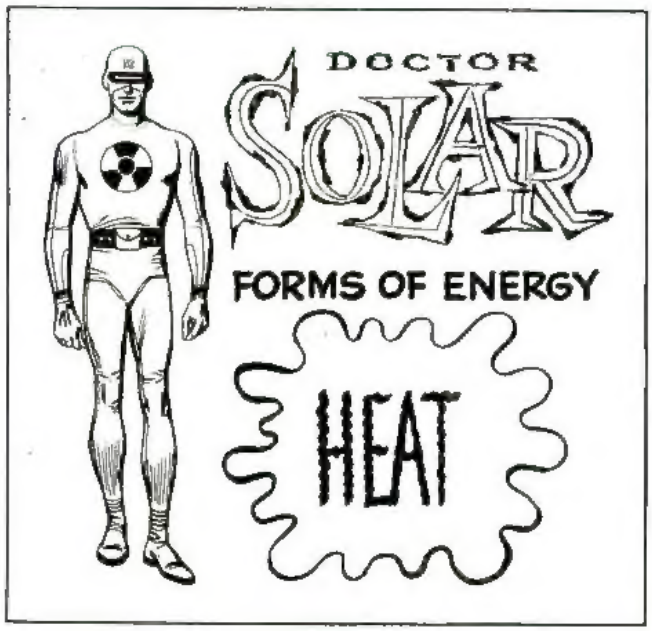
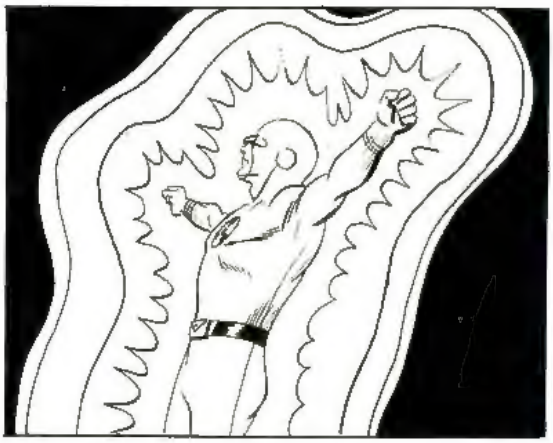
GOLD KEY
SOLAR
12c
10000-609
SEPTEMBER
DOCTOR SOLAR
MAN OF THE ATOM
SOLAR VS. PRIMO—
FIERY CREATURE FROM THE EARTH'S CORE!





WHEN DR. SOLAR, AS THE MAN OF THE ATOM, WANTS TO TURN HIS NUCLEAR ENERGY TO HEAT, HE SPEEDS UP THE MOLECULES IN HIS BODY.

THE FASTER THE MOLECULES MOVE, THE MORE HEAT THEY GENERATE. WHEN THEY MOVE AT MAXIMUM SPEED, SOLAR'S BODY BECOMES A FLAMING GAS.

AS HEAT, SOLAR CAN GIVE OFF FIERY ENERGY EQUAL TO THE BLAST OF AN ATOM BOMB, BUT HE MUST BE CAREFUL NOT TO "BURN OUT."

AT MAXIMUM TEMPERATURES, SOLAR'S BODY WORKS MUCH LIKE THE SUN — TURNING MATTER INTO FLAMING ENERGY.

IN THE FORM OF HEAT SOLAR MOVES WITH DEADLY EFFECT, CAUSING NEARBY OBJECTS TO BURST INTO FLAMES!

DOCTOR SOLAR

The FATAL FOE

PART 1 THE MONSTER ATTACKS!

PRIMO! BORN OF MOLTEN MATTER, SPAWN OF A VOLCANOS FURY, CREATURE OF NURO'S EVIL GENIUS! THE FIERY MONSTER ADVANCES WITH RELENTLESS TREAD TOWARD SOLAR, MAN OF THE ATOM AND HIS LIFE-GIVING SOURCE OF POWER, ATOM VALLEY! BEHIND PRIMO, LIES A WAKE OF DESTRUCTION— AHEAD ONLY SOLAR BARS HIS WAY! BUT PRIMO STRIKES AT THE VERY MOMENT WHEN THE MAN OF THE ATOM IS WEAKEST! AND WHEN THE MIGHTY DUO LOCK IN GRIM COMBAT, POWER POURS FROM THE WEAKENING BODY OF SOLAR INTO THE FLAME-FLARING FRAME OF HIS FOE!

(GASP!)...FEEL WEAKER...LOSING POWER TO...THIS...FANTASTIC CREATURE!

10000-609 DR. SOLAR 17-66

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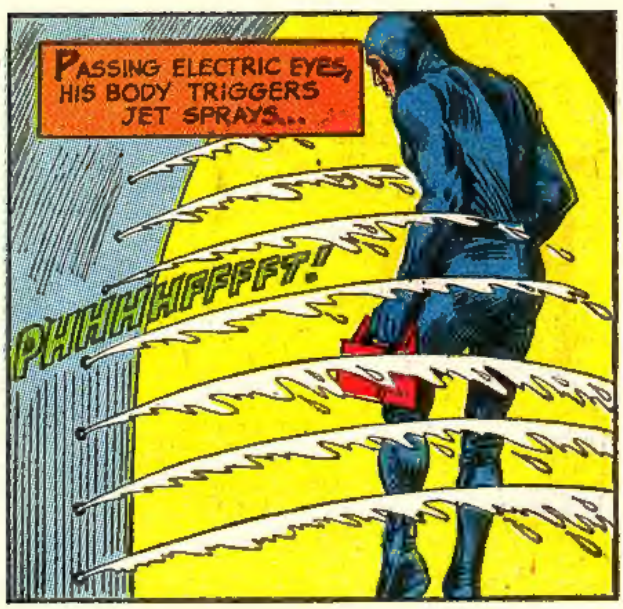
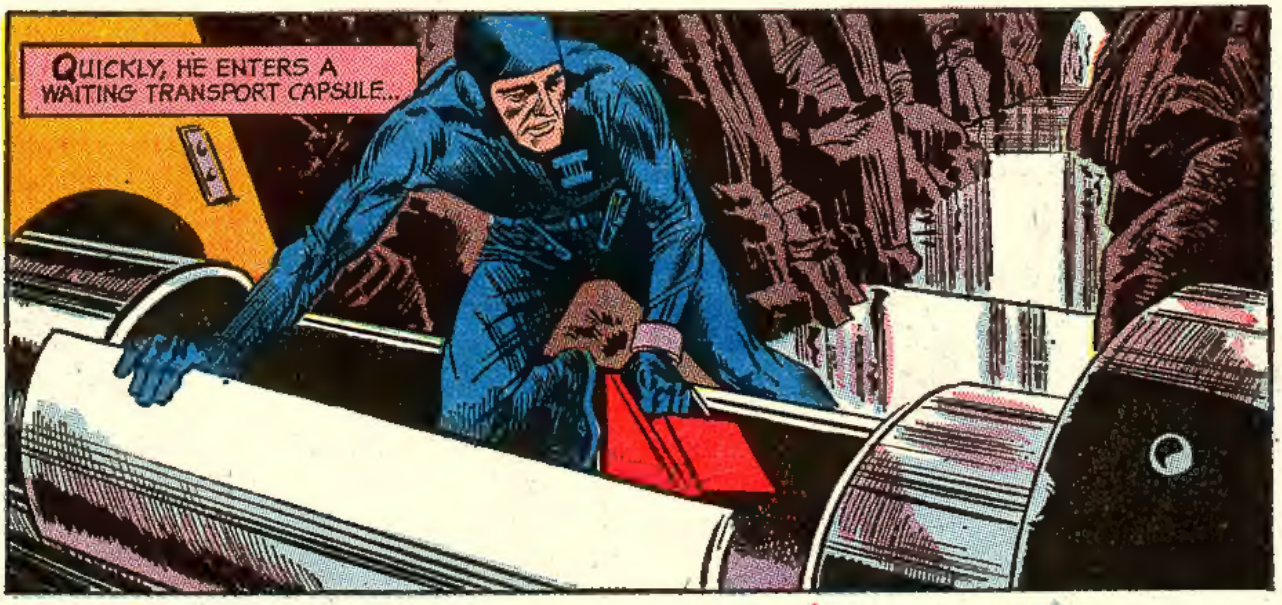
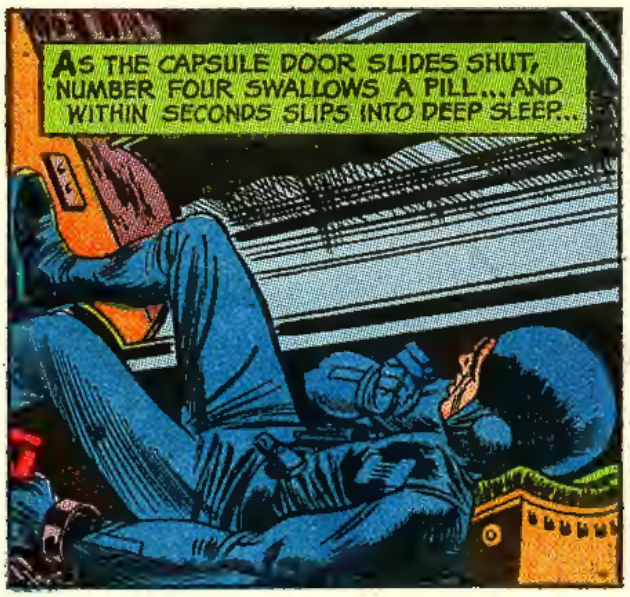
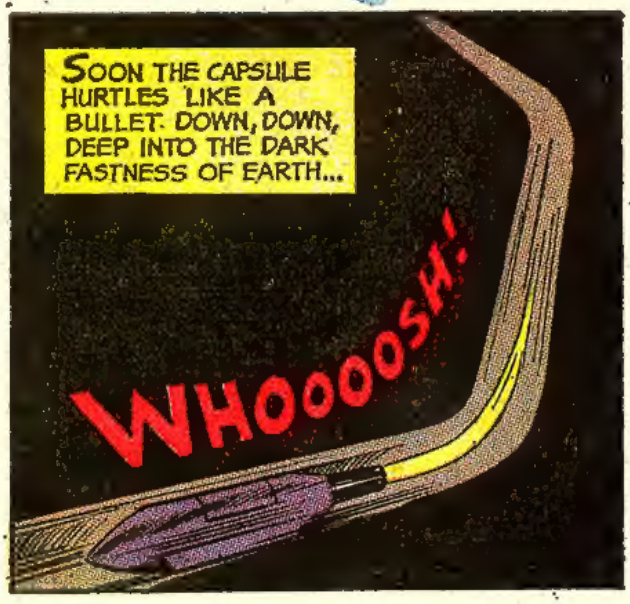
FAR BELOW AN ALEUTIAN ISLAND, IN HIS SUBTERRANEAN LAIR, NURO WATCHES HIS SPECIAL MONITOR SCREEN...
GOOD! NUMBER FOUR IS ON TIME!
I'M TO DROP YOU OFF HERE?
HERE!
AS THE PUZZLED PILOT WHIRLS OFF, NUMBER FOUR TAKES OUT A SMALL HEAT-GUN.
HERE IS THE ENTRANCE!
UNDER THE BURNING RAY THE ICE WALL MELTS AWAY.
A MINUTE LATER, NUMBER FOUR STRIDES PURPOSEFULLY THROUGH A SECRET DOOR...

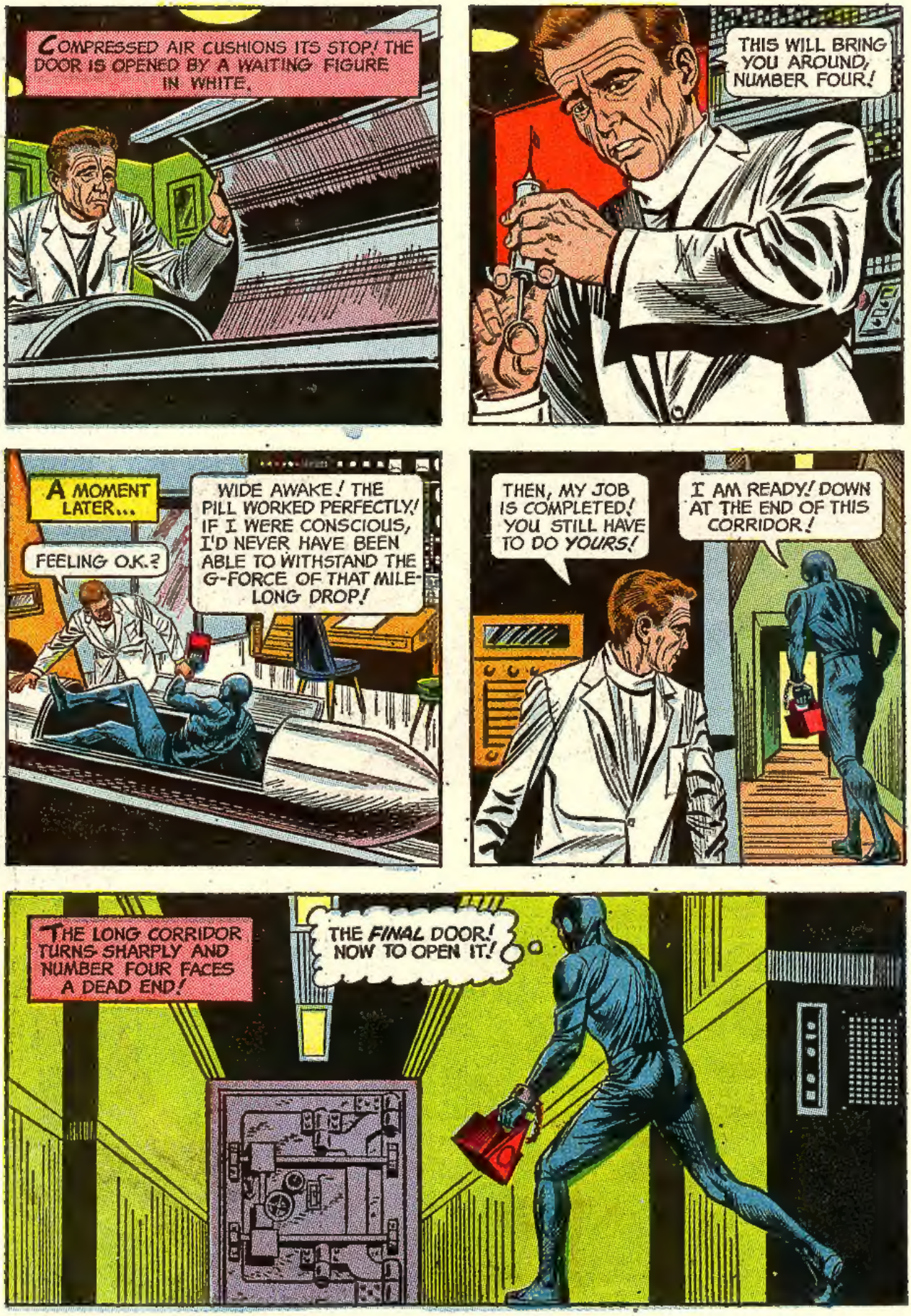

PASSING ELECTRIC EYES, HIS BODY TRIGGERS JET SPRAYS...
PHHHHFFFFT!

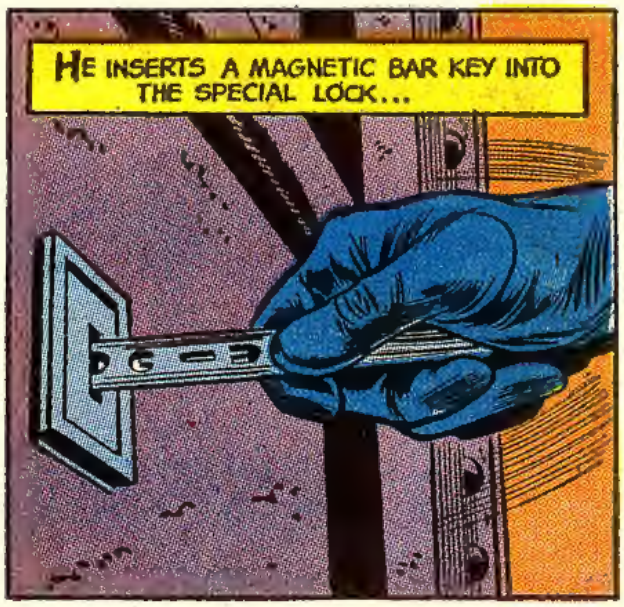
AND AS HE HURRIES DOWN THE PASSAGE, A NEW DOOR OF ICE IS FORMED BEHIND HIM..

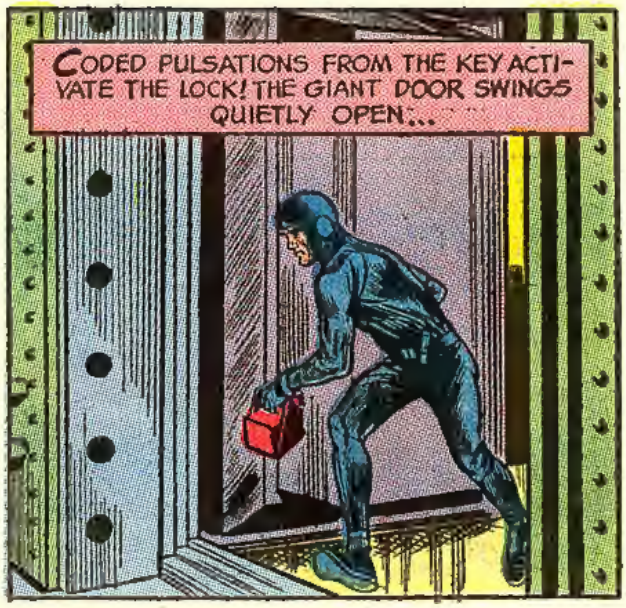

QUICKLY, HE ENTERS A WAITING TRANSPORT CAPSULE...

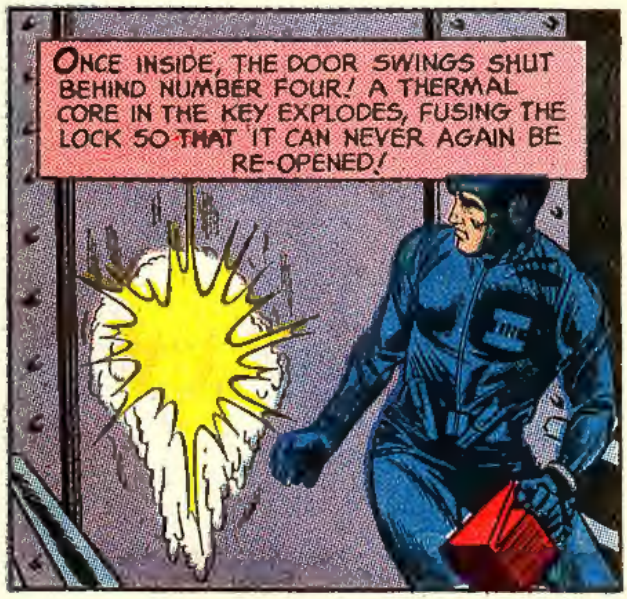

AS THE CAPSULE DOOR SLIDES SHUT, NUMBER FOUR SWALLOWS A PILL... AND WITHIN SECONDS SLIPS INTO DEEP SLEEP..


SOON THE CAPSULE HURTLES LIKE A BULLET- DOWN, DOWN, DEEP INTO THE DARK FASTNESS OF EARTH...
WHOOOOSH!

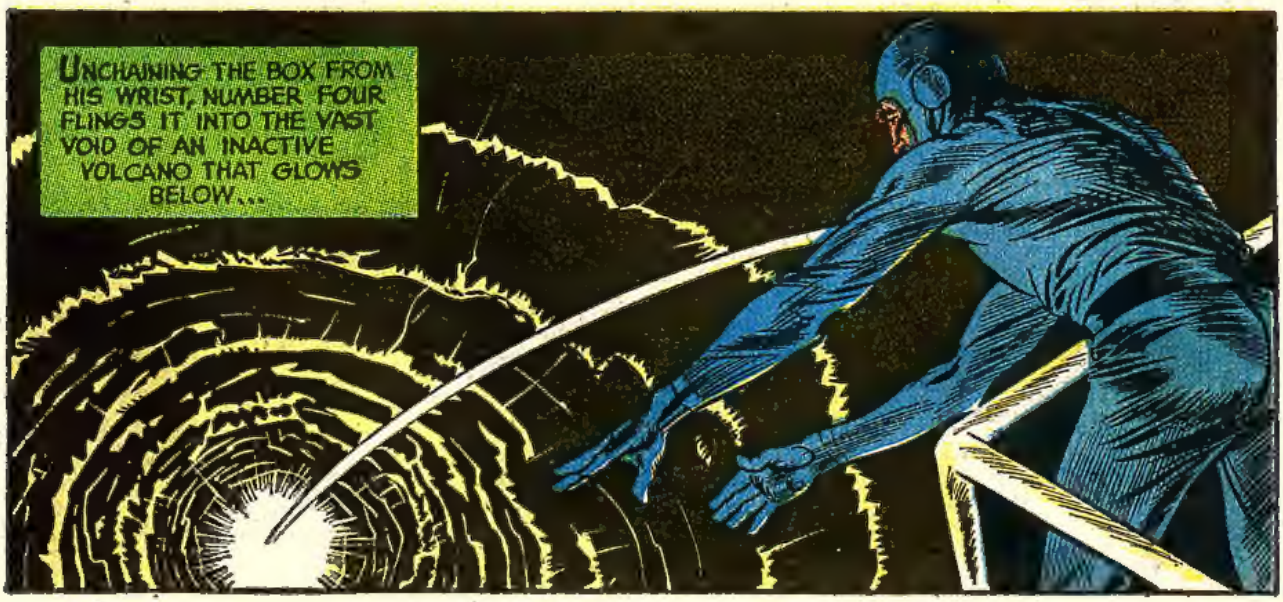

COMPRESSED AIR CUSHIONS ITS STOP! THE DOOR IS OPENED BY A WAITING FIGURE IN WHITE.
THIS WILL BRING YOU AROUND, NUMBER FOUR!
A MOMENT LATER...
FEELING O.K.?
WIDE AWAKE! THE PILL WORKED PERFECTLY! IF I WERE CONSCIOUS, I'D NEVER HAVE BEEN ABLE TO WITHSTAND THE G-FORCE OF THAT MILE-LONG DROP!
THEN, MY JOB IS COMPLETED! YOU STILL HAVE TO DO YOURS!
I AM READY! DOWN AT THE END OF THIS CORRIDOR!
THE LONG CORRIDOR TURNS SHARPLY AND NUMBER FOUR FACES A DEAD END!
THE FINAL DOOR! NOW TO OPEN IT!


HE INSERTS A MAGNETIC BAR KEY INTO THE SPECIAL LOCK...


CODED PULSATIONS FROM THE KEY ACTIVATE THE LOCK! THE GIANT DOOR SWINGS QUIETLY OPEN...


ONCE INSIDE, THE DOOR SWINGS SHUT BEHIND NUMBER FOUR! A THERMAL CORE IN THE KEY EXPLODES, FUSING THE LOCK SO THAT IT CAN NEVER AGAIN BE RE-OPENED!

AND NOW FOR THE FINAL TASK OF MY MISSION!

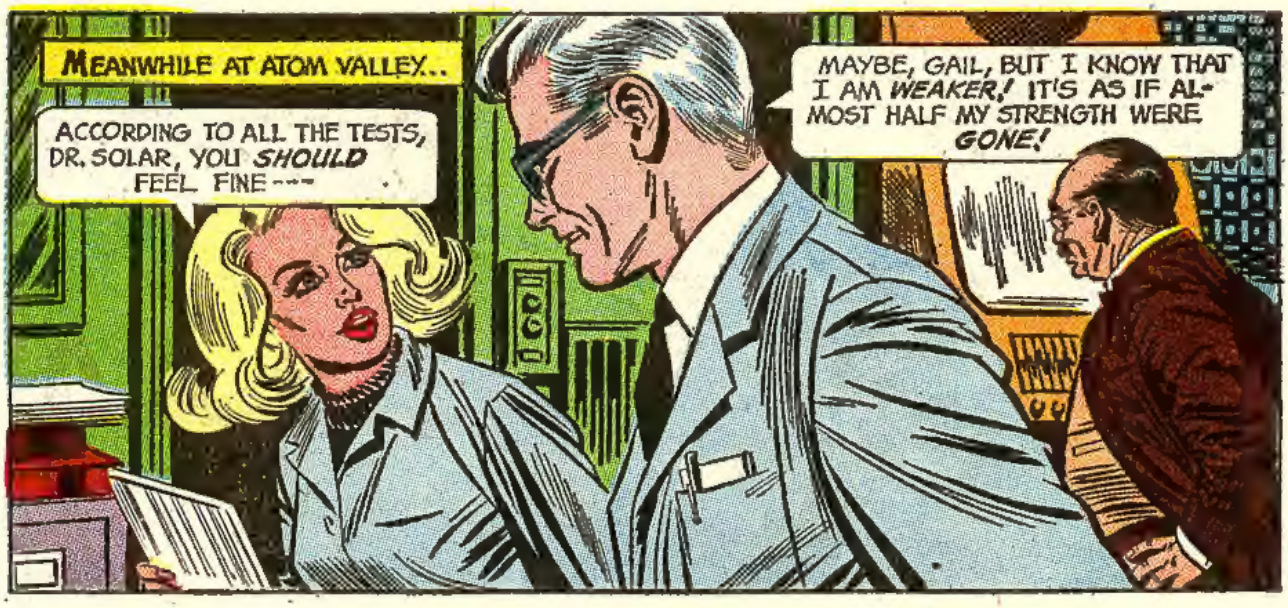

UNCHAINING THE BOX FROM HIS WRIST, NUMBER FOUR FLINGS IT INTO THE VAST VOID OF AN INACTIVE VOLCANO THAT GLOWS BELOW...

OBEDIENCE WAS ALWAYS ONE OF NUMBER FOUR'S STRONGEST VIRTUES! WHAT A SHAME HE HAD TO BE *SACRIFICED* FOR THIS VITAL PROJECT!
NURO'S ANDROID (ROBOT) HENCHMAN, WATCHES SILENTLY WITH HIS MASTER...

AS THE MYSTERIOUS METAL BOX SINKS INTO THE MOLTEN MASS AT THE VOLCANO'S CORE, IT BEGINS TO QUIVER, AND BUBBLE...
VOOOOMP!
VROOOOM!
BWOOOMPH!

THEN, SUDDENLY ABOVE...
BWOOOOOOM!

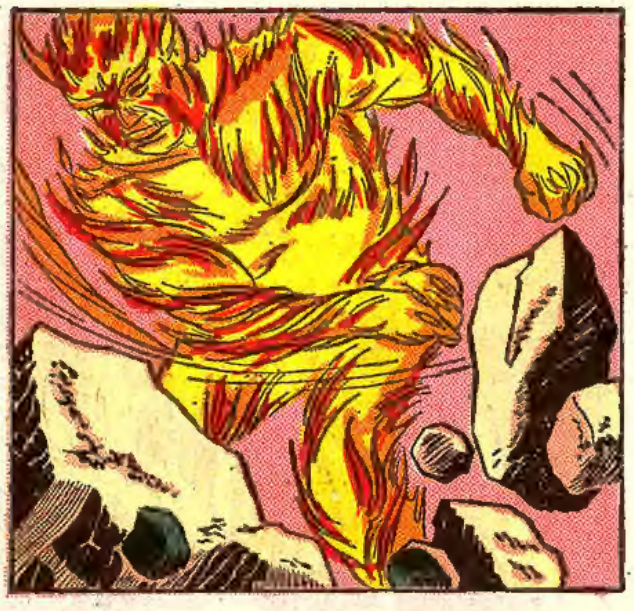
WITH STARTLING FURY, THE QUIET VOLCANO UNLEASHES ITS LATENT POWER, SPEWING LAVA, ROCKS, STEAM AND SMOKE INTO THE ALASKAN SKY...

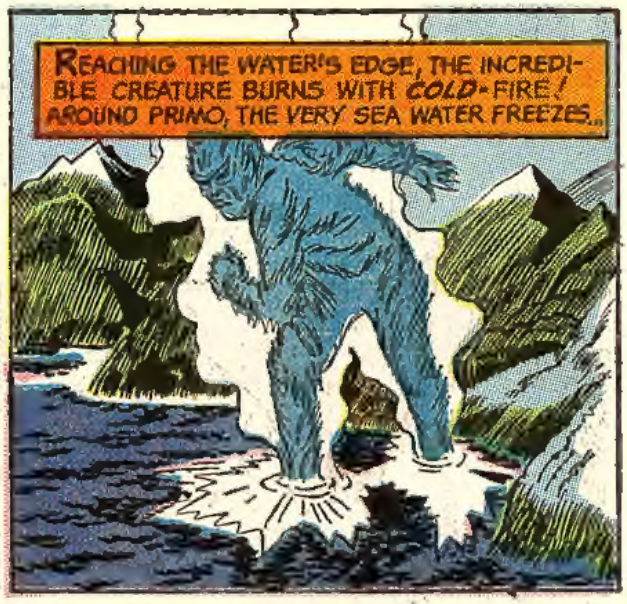

MEANWHILE AT ATOM VALLEY...
ACCORDING TO ALL THE TESTS, DR. SOLAR, YOU *SHOULD* FEEL FINE---
MAYBE, GAIL, BUT I KNOW THAT I AM *WEAKER!* IT'S AS IF ALMOST HALF MY STRENGTH WERE *GONE!*

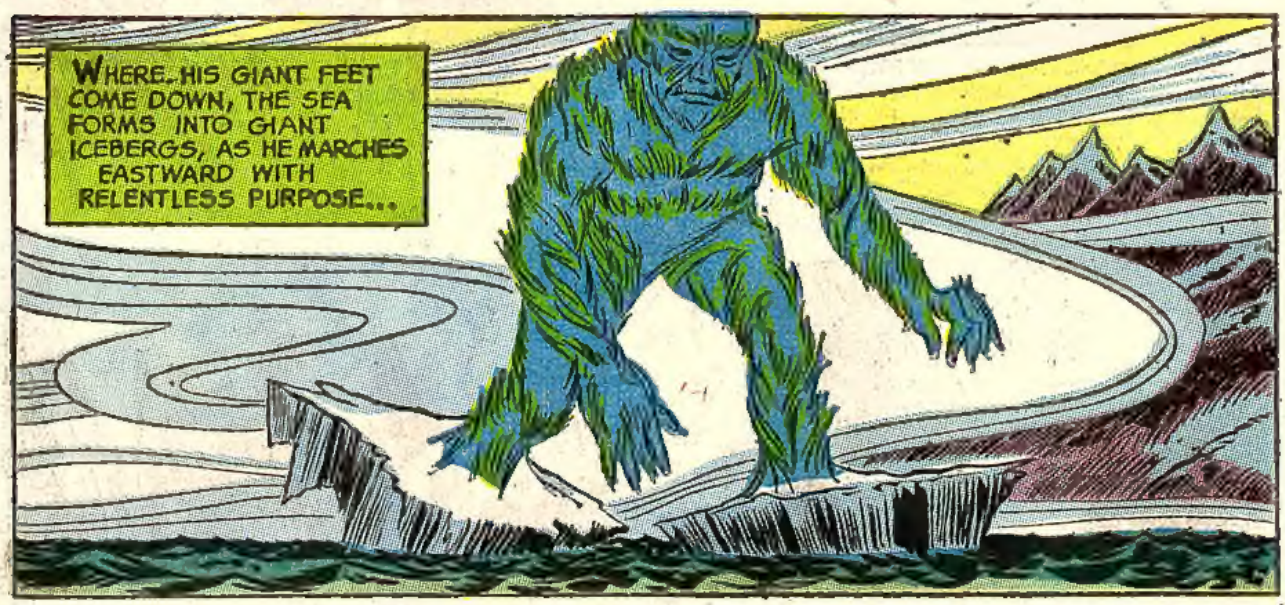
YOU MUST BE SUFFERING FROM "WEIGHT" LOSS. RADIATION GIVES YOU ENERGY AND POWER, BUT YOU MAY NOT HAVE ENOUGH MASS TO RETAIN THE RADIOACTIVITY!
OF COURSE! MY BODY IS SLOWLY CONVERTING ITSELF TO ENERGY---AND IS BEING USED UP!
THEN, WE'LL TRY TO FIND A WAY TO INCREASE YOUR MASS WITHOUT INCREASING YOUR SIZE!
I'VE SEEN A LOT OF BOOKS ON DIETS, BUT NEVER ONE ON A GAINING WEIGHT WITH NUCLEAR NUTRITION!
THIS JUST CAME IN OVER THE TELETYPE PRIORITY LINE, SIR!
HMMM!--A VOLCANO, LARGER THAN VESUVIUS, ERUPTED IN ALASKA! SMOKE IS COVERING HUNDREDS OF MILES! YOU KNOW REGARDLESS OF WHAT WE DO WITH ENERGY, NATURE CAN STILL DWARF OUR MIGHTIEST EFFORTS!
AND FROM THE MOLTEN DEPTHS OF THE VOLCANO NURO BROUGHT BACK TO LIFE, ANOTHER FORM TAKES SHAPE. TALLER AND TALLER IT GROWS! BRIGHTER AND BRIGHTER IT GLOWS UNTIL AT LAST IT BECOMES A MENACING, HUMAN-LIKE FORM...
PRIMO!

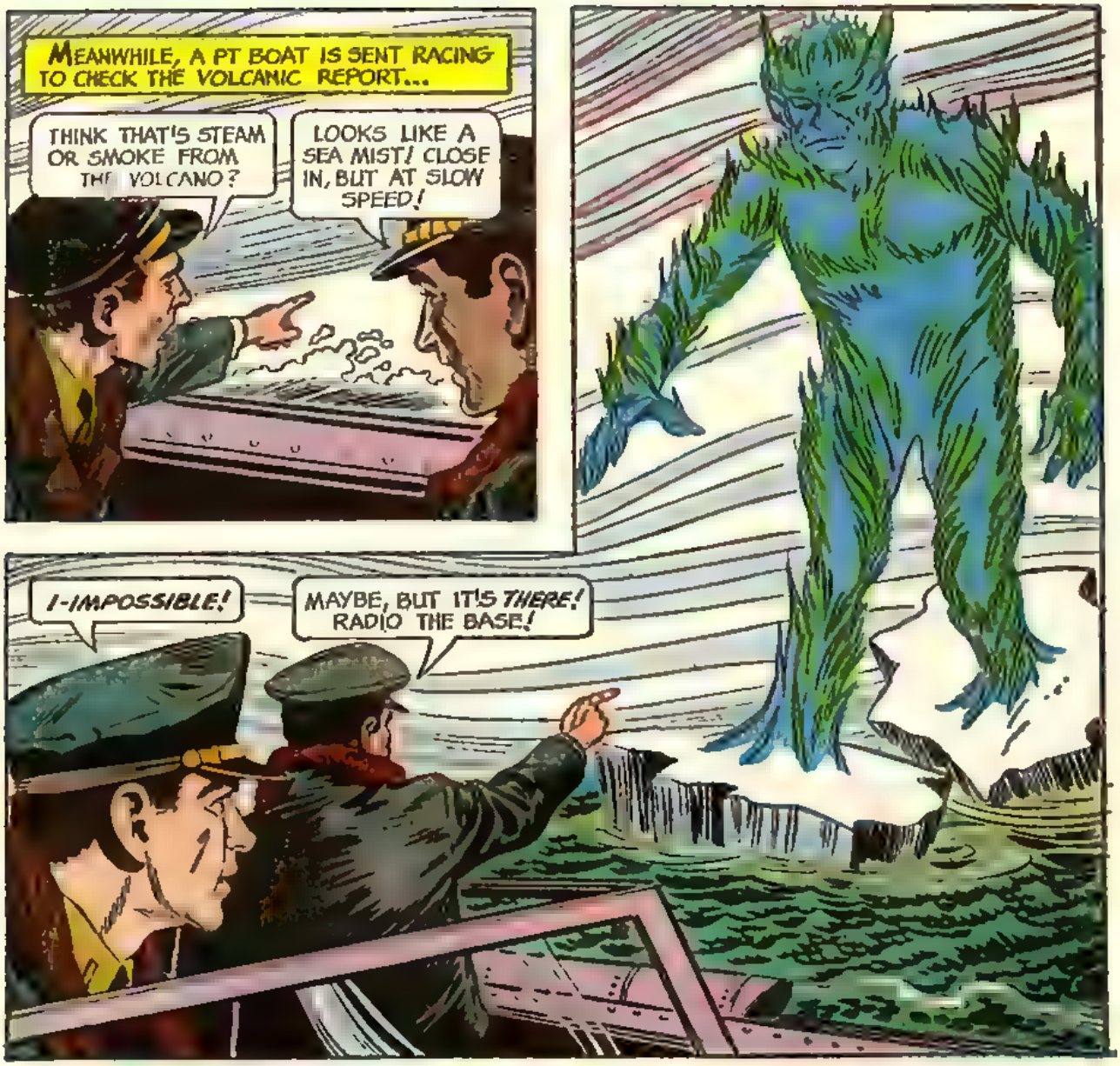
AT LAST! MY MOST MASTERFUL CREATION! PRIMO A CREATURE OF THE ELEMENTS WHO CONTAINS THE ELEMENTS TO DESTROY THE MAN OF THE ATOM! NOTHING CAN STOP HIM!

AS IF TO PROVE NURO'S WORDS, THE MOLTEN MONSTER ADVANCES TOWARD A MOUNTAIN PEAK AND...

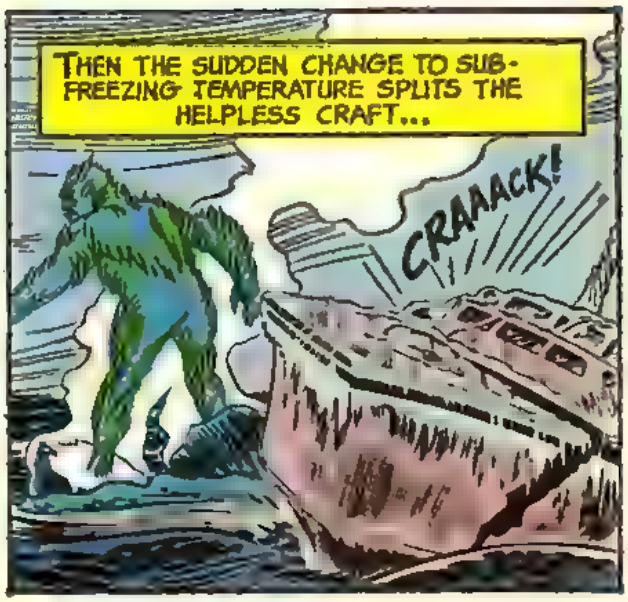


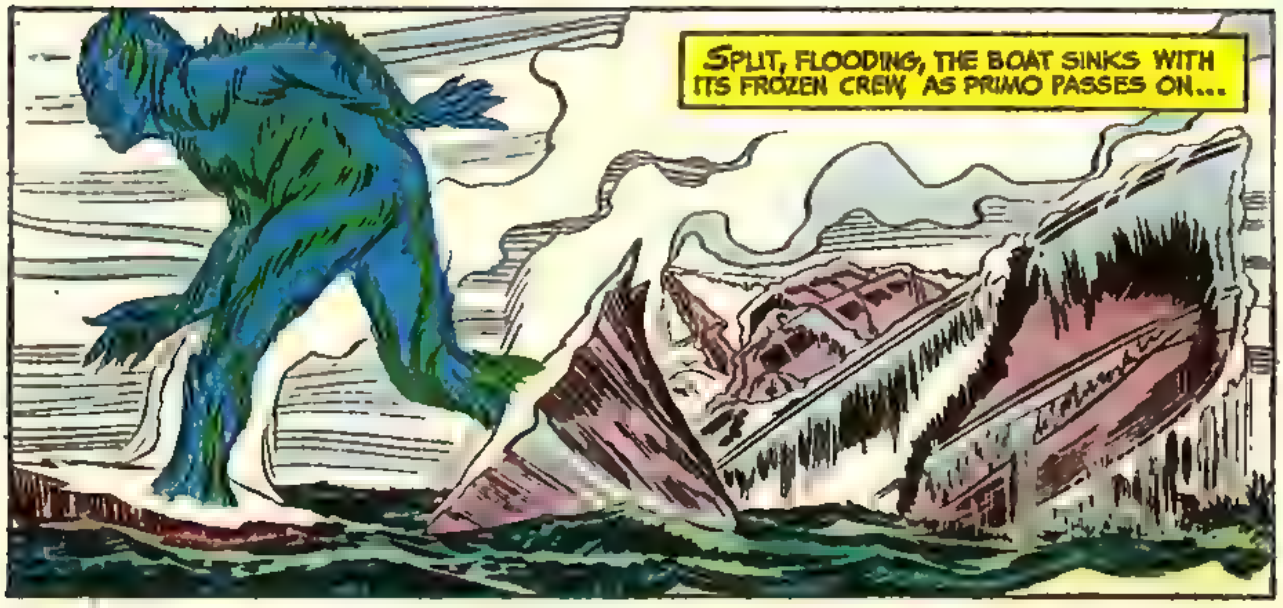

REACHING THE WATER'S EDGE, THE INCREDIBLE CREATURE BURNS WITH COLD-FIRE! AROUND PRIMO, THE VERY SEA WATER FREEZES..


WHERE HIS GIANT FEET COME DOWN, THE SEA FORMS INTO GIANT ICEBERGS, AS HE MARCHES EASTWARD WITH RELENTLESS PURPOSE...


MEANWHILE, A PT BOAT IS SENT RACING TO CHECK THE VOLCANIC REPORT...
THINK THAT'S STEAM OR SMOKE FROM THE VOLCANO?
LOOKS LIKE A SEA MIST! CLOSE IN, BUT AT SLOW SPEED!
I-IMPOSSIBLE!
MAYBE, BUT IT'S THERE! RADIO THE BASE!

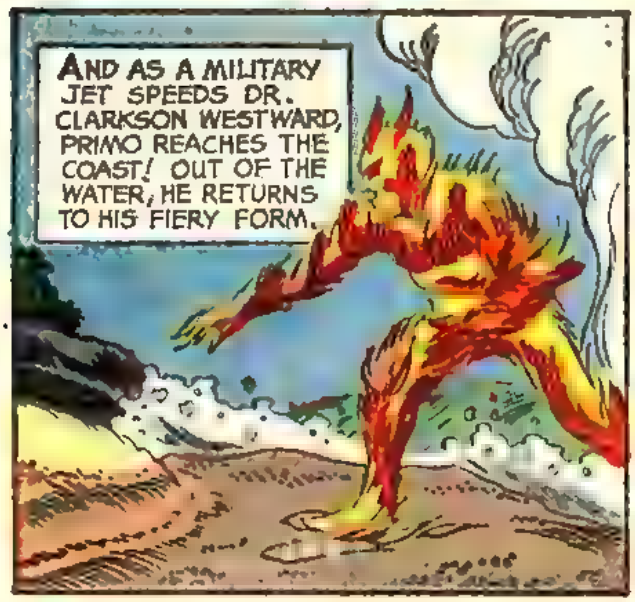
BUT AS PRIMO NEARS THE PT BOAT, THE BLAST OF COLD FIRE STRIKES! THE RADIO-MAN'S FINGERS VAINLY REACH FOR HIS KEY, HIS HAND FOREVER FROZEN IN MID-AIR...

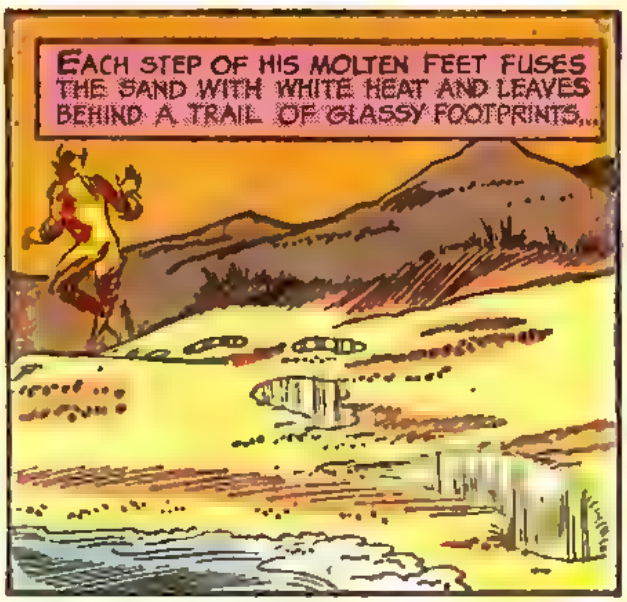

THEN THE SUDDEN CHANGE TO SUB-FREEZING TEMPERATURE SPLITS THE HELPLESS CRAFT...
CRAAACK!

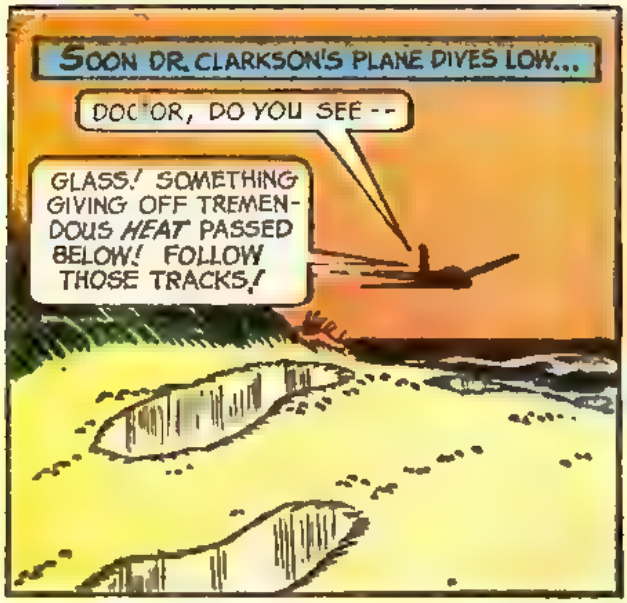

SPLIT, FLOODING, THE BOAT SINKS WITH ITS FROZEN CREW, AS PRIMO PASSES ON...

MEANWHILE...
WASHINGTON JUST CALLED! I'M TO CHECK OUT THAT VOLCANO! THEY CAN'T EXPLAIN IT NATURALLY! AND IF ITS ERUPTION WAS MAN-CAUSED--
IT COULD ONLY HAVE BEEN DONE BY A NUCLEAR DEVICE! NO WONDER THEY SENT FOR YOU!

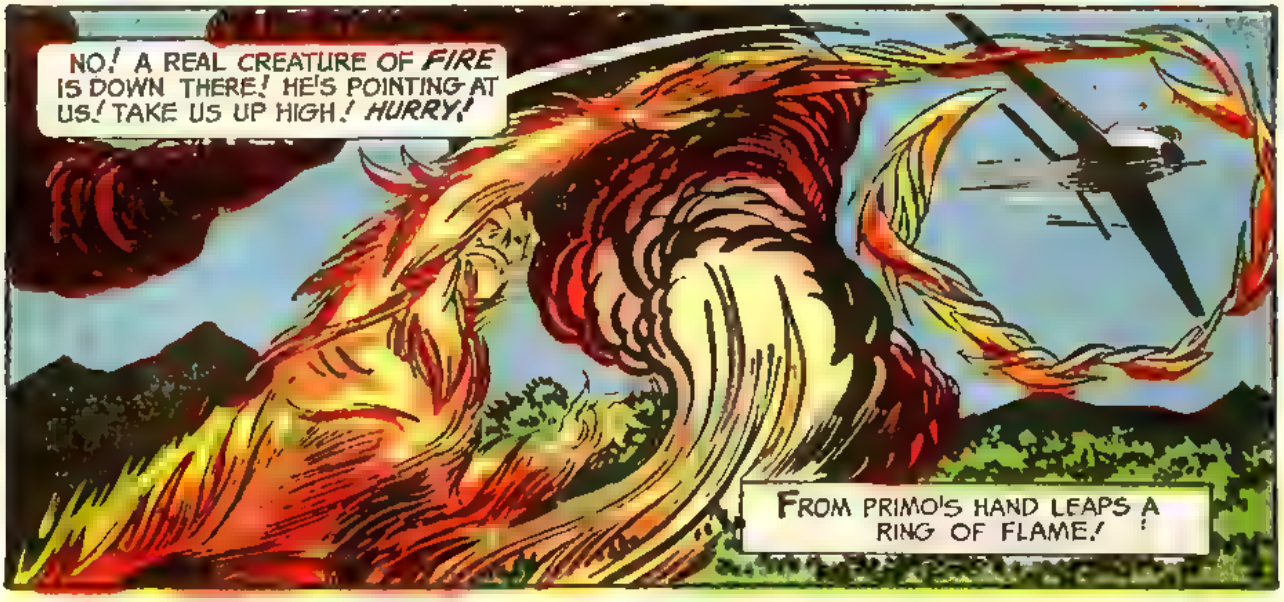
IF THIS INVOLVES RADIATION, I SHOULD BE GOING WITH DR. CLARKSON--
NO! YOU CAN'T! NOT TILL WE FIND A WAY TO RESTORE YOUR FULL ENERGY!

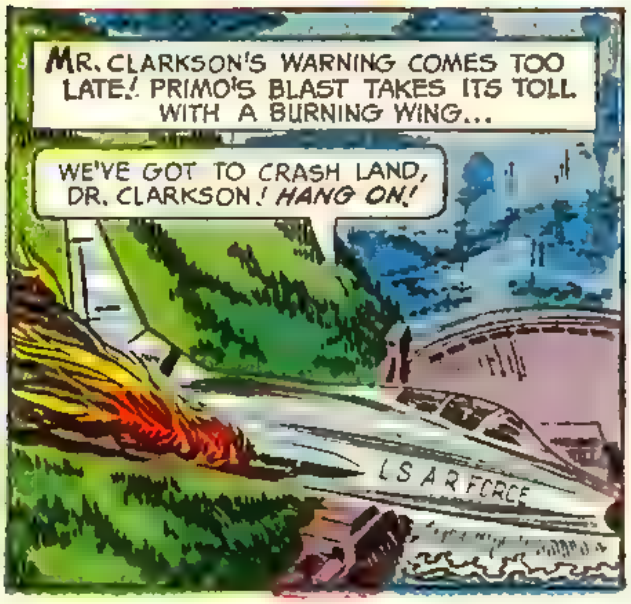

AND AS A MILITARY JET SPEEDS DR. CLARKSON WESTWARD, PRIMO REACHES THE COAST! OUT OF THE WATER, HE RETURNS TO HIS FIERY FORM.


EACH STEP OF HIS MOLTEN FEET FUSES THE SAND WITH WHITE HEAT AND LEAVES BEHIND A TRAIL OF GLASSY FOOTPRINTS...


SOON DR. CLARKSON'S PLANE DIVES LOW...
DOCTOR, DO YOU SEE--
GLASS! SOMETHING GIVING OFF TREMENDOUS HEAT PASSED BELOW! FOLLOW THOSE TRACKS!

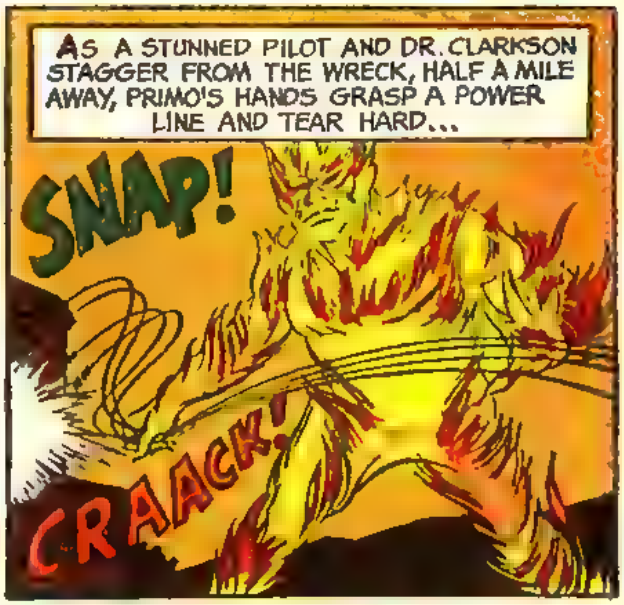
MINUTES LATER...
I-I MUST BE SEEING THINGS! LOOKS LIKE A MAN! THAT FOREST FIRE'S PLAYING TRICKS WITH MY EYES!


NO! A REAL CREATURE OF FIRE IS DOWN THERE! HE'S POINTING AT US! TAKE US UP HIGH! HURRY!
FROM PRIMO'S HAND LEAPS A RING OF FLAME!

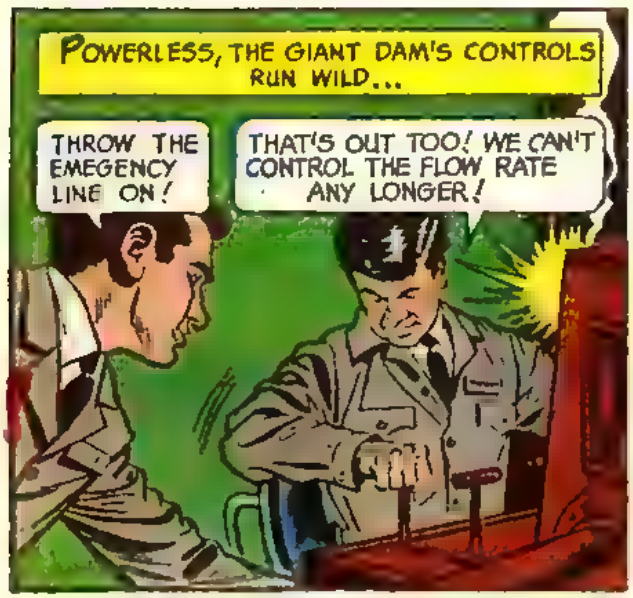

MR. CLARKSON'S WARNING COMES TOO LATE! PRIMO'S BLAST TAKES ITS TOLL WITH A BURNING WING...
WE'VE GOT TO CRASH LAND, DR. CLARKSON! HANG ON!
U.S. AIR FORCE

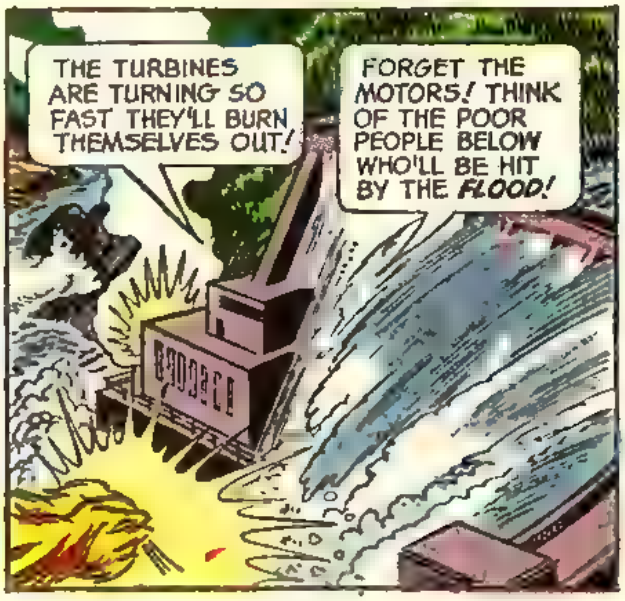
ARE YOU GOING TO DITCH?
NO! OUR BEST HOPE'S THAT SANDY ISLAND! JUST KEEP PRAYING--

WE'RE DOWN!-- NOW CLIMB OUT FAST!
U.S. AIR FORCE
USAF


AS A STUNNED PILOT AND DR. CLARKSON STAGGER FROM THE WRECK, HALF A MILE AWAY, PRIMO'S HANDS GRASP A POWER LINE AND TEAR HARD...
SNAP!
CRAACK!

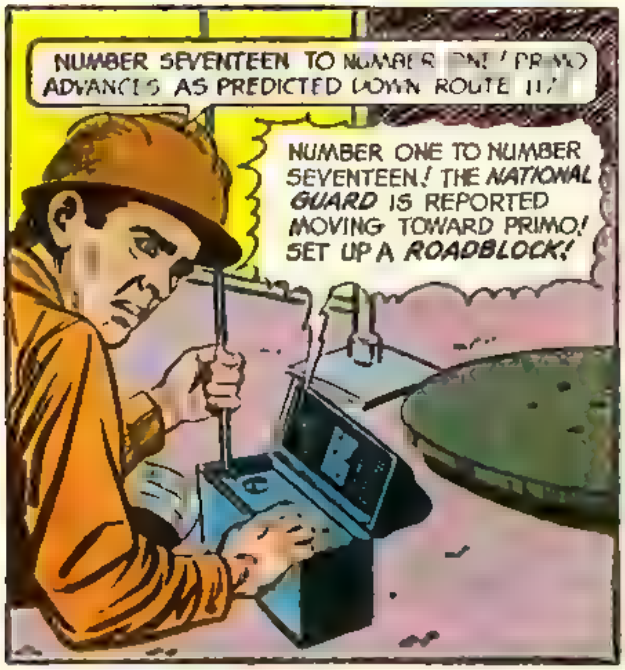
AS THE ELECTRICITY SIZZLES FROM THE SNAPPED LINES, IT IS DRAWN INTO PRIMO'S GLOWING FRAME AND HE FEEDS GREEDILY.

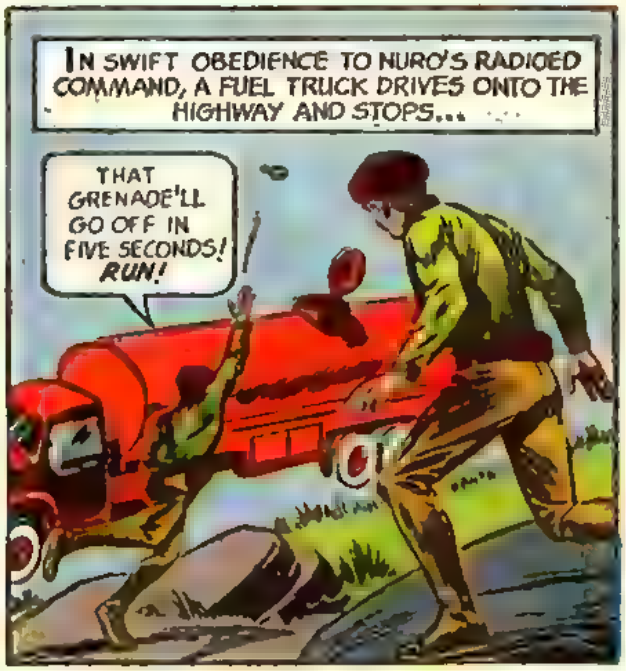

POWERLESS, THE GIANT DAM'S CONTROLS RUN WILD...
THROW THE EMEGENCY LINE ON!
THAT'S OUT TOO! WE CAN'T CONTROL THE FLOW RATE ANY LONGER!


THE TURBINES ARE TURNING SO FAST THEY'LL BURN THEMSELVES OUT!
FORGET THE MOTORS! THINK OF THE POOR PEOPLE BELOW WHO'LL BE HIT BY THE FLOOD!

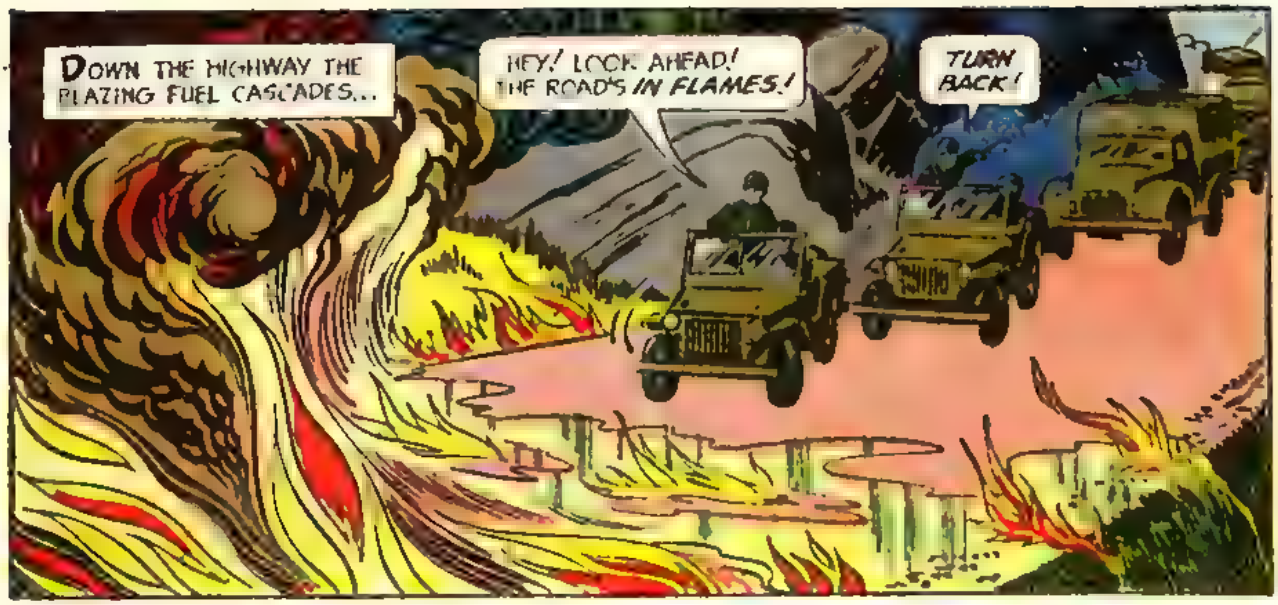
WE CAN'T SWIM FOR SHORE! NOT IN THAT FLOOD! WE'LL BE DROWNED!
DON'T WASTE TIME WORRYING! GET TO HIGH GROUND AND SEE IF WE CAN JURY-RIG A RADIO!

AND AS PRIMO TURNS FURTHER INLAND...
HE'S COMING!


NUMBER SEVENTEEN TO NUMBER ONE! PRIMO ADVANCES AS PREDICTED DOWN ROUTE 11.
NUMBER ONE TO NUMBER SEVENTEEN! THE NATIONAL GUARD IS REPORTED MOVING TOWARD PRIMO! SET UP A ROADBLOCK!


IN SWIFT OBEDIENCE TO NURO'S RADIOED COMMAND, A FUEL TRUCK DRIVES ONTO THE HIGHWAY AND STOPS...
THAT GRENADE'LL GO OFF IN FIVE SECONDS! RUN!

BWOOOOOOM!


DOWN THE HIGHWAY THE BLAZING FUEL CASCADES...
HEY! LOOK AHEAD! THE ROAD'S IN FLAMES!
TURN BACK!

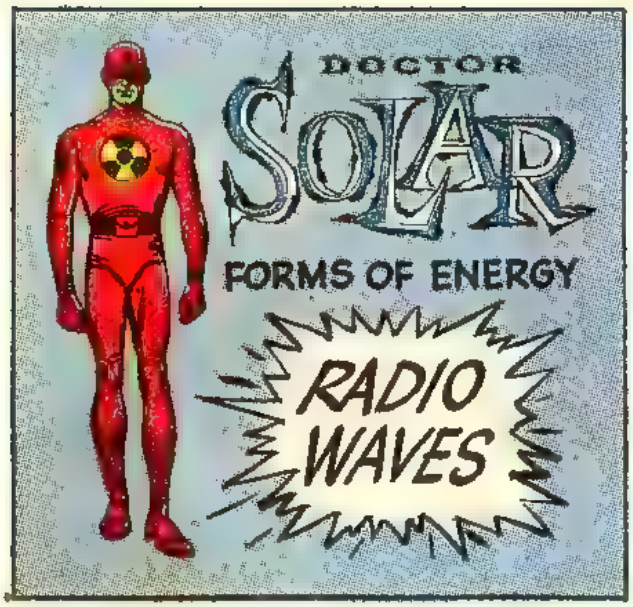
WE CAN'T TURN! THE JEEP'S ON FIRE! RUN!
GOOD HEAVENS!

L-LOOK!

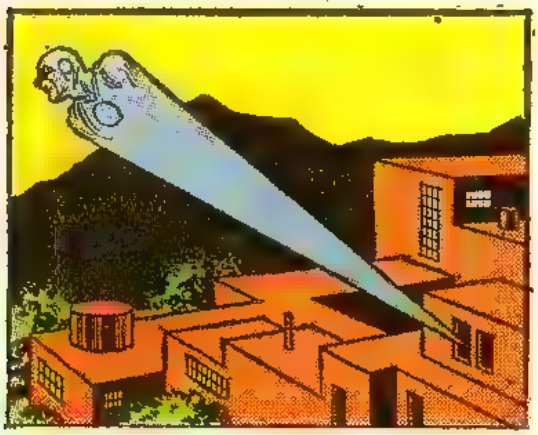
GREAT SCOTT! DO YOU SEE---
THAT THING IS DRINKING UP THE BLAZING FUEL!

MEANWHILE...
WE'RE LUCKY THE WATER IS PASSING US BY! AND THE RADIO WILL WORK! YOU CALLING THE ARMY?
THEY WON'T BE OF MUCH HELP! BUT I KNOW WHO COULD HAVE A CHANCE AGAINST THAT FIRE-MONSTER!

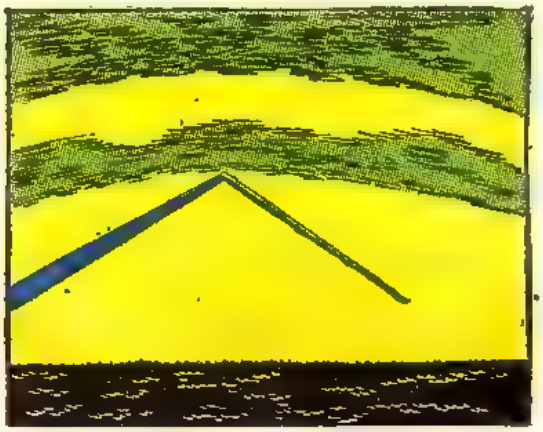
CONTACT IS MADE!
A CREATURE OF FIRE?
YES! FROM THE LITTLE WE KNOW, HE MUST HAVE BEEN SPAWNED FROM THE MOLTEN CORE OF THAT NEWLY ERUPTED VOLCANO! HE FEEDS ON HEAT AND FIRE! ATOM VALLEY IS THREATENED!
OUR ATOMIC REACTOR IS THE GREATEST SOURCE OF ENERGY IN THE AREA! THE MONSTER WILL BE DRAWN TOWARD IT! YOU MUST TAKE STEPS TO SAVE OUR WORKERS THERE!
GAIL IS AT THE MATTERMAKER NOW! SHE'S DEVELOPING MORE OF THIS PILL THAT MIGHT ADD MASS AS WELL AS RADIATION TO MY SYSTEM! I MUST GET HER OUT OF THERE--
RUN!
I-I DON'T KNOW WHAT IT IS, BUT THE FIERY THING IS COMING THIS WAY!
TOO LATE! THE FIRE-CREATURE IS HERE--AND I'M TOO WEAK TO TRY TO OPPOSE HIM AS THE MAN OF THE ATOM!



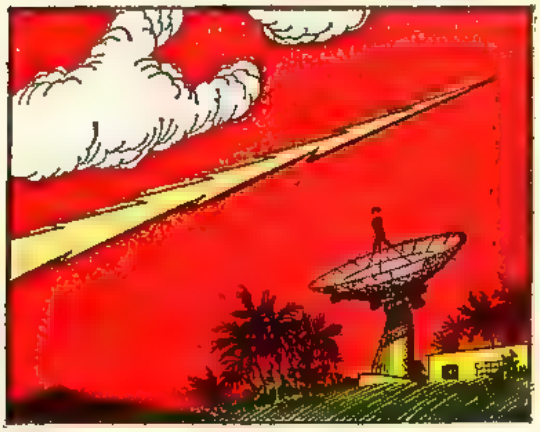
SOLAR CAN ASSUME ANY FORM OF RADIATION BY CHANGING THE MATTER OF HIS BODY INTO ENERGY. ONE OF THESE FORMS IS RADIO WAVES.



AS ELECTROMAGNETIC RADIATION, SOLAR IS LIKE THE RADIO WAVES BROADCAST FROM A STUDIO. HE TRAVELS AT FANTASTIC SPEED—ALMOST AS FAST AS LIGHT!

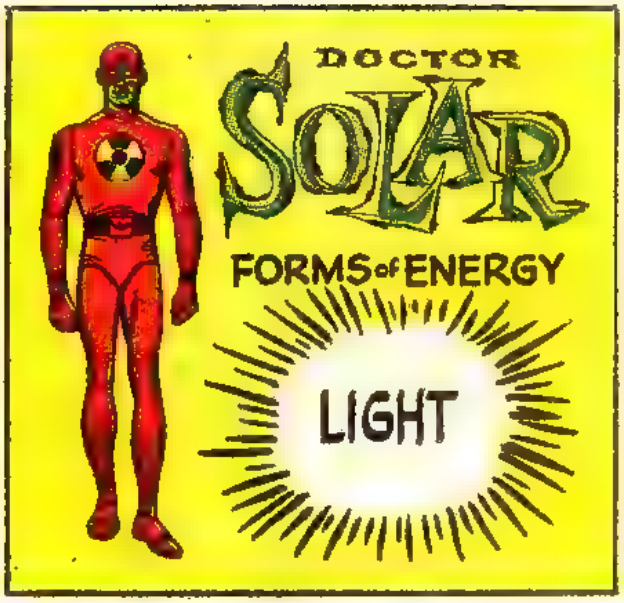


HE STRIKES THE IONOSPHERE AS A SHORT WAVE, IS DEFLECTED BACK TO EARTH, AND TRAVELS HALF WAY AROUND THE WORLD IN A FRACTION OF A SECOND.

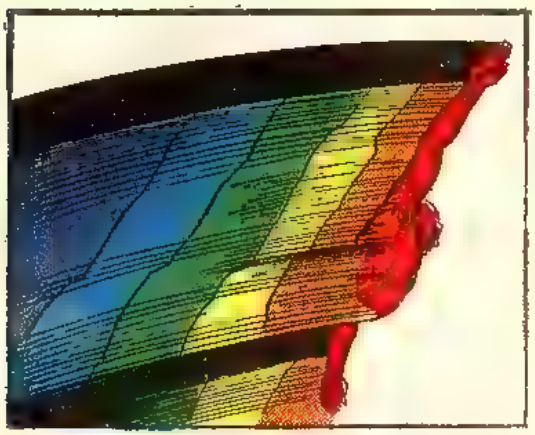


TO DETECT THE MAN OF THE ATOM IN THE FORM OF A RADIO WAVE, GIANT RADIO TELESCOPES ARE HELPFUL....

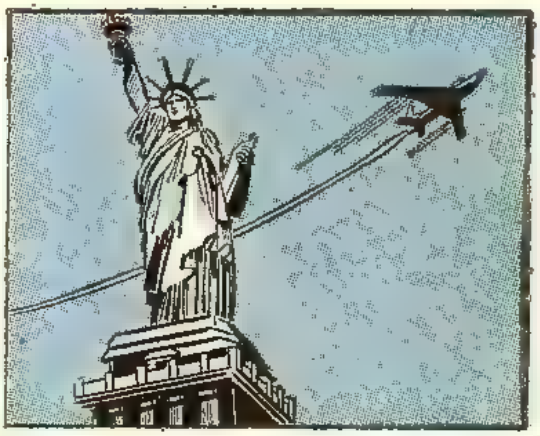
...SUCH AS THE THOUSAND-FOOT DISC IN PUERTO RICO WHICH CAN PICK UP RADIO WAVES FROM STAR EXPLOSIONS IN SPACE!



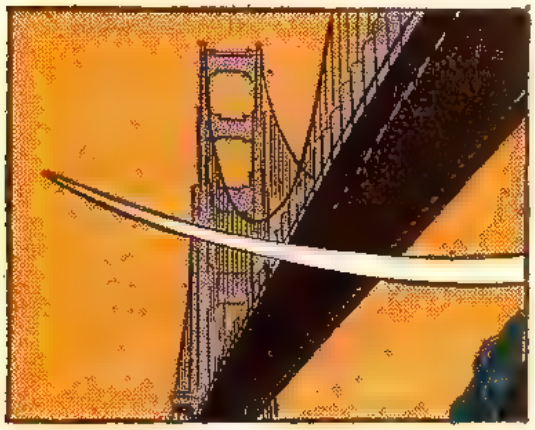
LIGHT TRAVELS IN TINY UNITS OF ENERGY CALLED QUANTA. SOLAR CAN TRANSFORM THE MATTER OF HIS ATOMIC BODY INTO ALL FORMS OF LIGHT ENERGY.



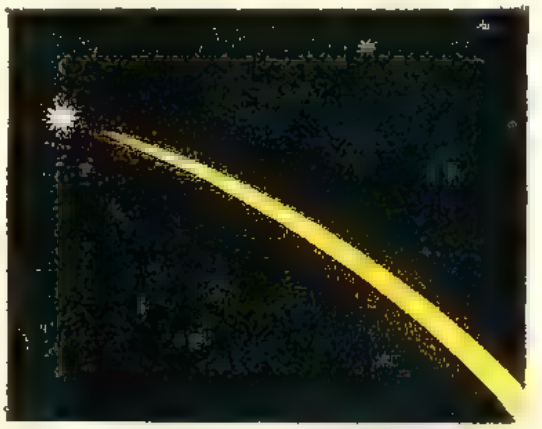
THE COLOR OF LIGHT DEPENDS ON THE FREQUENCY WITH WHICH IT VIBRATES. BY TRAVELING AT VARIOUS FREQUENCIES, SOLAR CAN CHANGE COLOR AT WILL.



WHEN SOLAR TRAVELS AS LIGHT, HE MOVES AT THE FASTEST SPEED KNOWN TO MAN. A SUPERSONIC JET CAN FLY FROM COAST TO COAST IN UNDER TWO HOURS.



AS LIGHT, TRAVELLING AT 186,282 MILES PER SECOND, SOLAR MAKES THE SAME TRIP IN LESS THAN FIFTIETH OF A SECOND!



BUT EVEN TRAVELLING AS LIGHT, IN THE GREAT VOID OF SPACE, THE MAN OF ATOM WOULD REQUIRE SOME 460 YEARS TO REACH THE NORTH STAR.

SOLAR'S SCIENCE FORUM

Readers write us many letters containing questions about Doctor Solar. This month we are going to try to answer as many as possible. Due to lack of space we are not able to include the entire contents of each letter, but will print only the main question.

Q. I want to know why Dr. Clarkson is the only one who knows the Man of the Atom's identity.

DELANE POOLE,/Stateville, North Carolina

A. Dr. Clarkson and Gail both know Dr. Solar's identity as well as the President of the United States and the Chief of National Security. Dr. Solar is considered as one of America's top secrets. As such, information about him is closely guarded.

Q. How did Dr. Solar get his powers?

KURT BRANSTETTER,/Tulsa, Oklahoma

A. Doctor Solar, the atomic scientist, tried to rescue a fellow scientist from an atomic reactor that went haywire. Making the rescue exposed both men to intense amounts of radia- transformed. The matter of his body became self at intervals to the reactor in order to re- about his new being is that he can transform with his mind which is conscious at all times.

Q.

A.

Q.

A. Solar transforms his body into the form of energy which he finds most useful at the time he must make the change. If he were to travel as light, he would be visible to his enemies. Sometimes, it does not matter that he is seen. When Solar wants to be invisible, he can travel as other forms of energy. Travelling at the speed of sound would make a noise and be heard by his enemies. He would have to travel faster than the speed of sound if he wanted to arrive unannounced, but he would be followed by a sonic boom! Sometimes, it is convenient for him to travel as electricity through existing telephone lines or other wires. Of course, he can travel in this form only to those places where wires are connected.

Q. How could Solar go to the sun without turning into a gas before he reached it?

LARRY BODINE,/Sioux City, Iowa

A. The Sun "burns" hydrogen, and converts it to helium. As such, it is a star of flaming gas. When Solar went to the Sun, he had to enter it as hydrogen or helium to remain "intact." emerge from the Sun, with additional matter in the form of helium, so that when he got

Q.

DAVID BELL,/Forest Hills, St. John, Canada

A. Dr. Solar, the scientist, is radioactive. This is why he wears the protective suit under his white coat and why he wears the dark glasses. If he did not wear the protective devices, radi- him. When Solar, The Man of the Atom, no can allow the radioactivity in his body to operate at a higher level, which changes his color. As Solar the scientist, he "cools down" the radioactive process to the lowest point he

Q.

A.

Q.

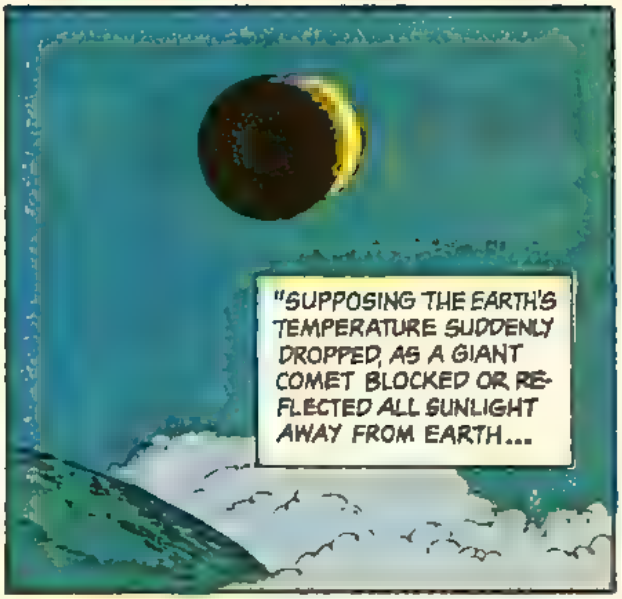
A. Solar transforms the charges of his body from matter into energy and energy back into matter again by an act of will. Just as man's mind can control the ing as matter or as some form of energy. An-

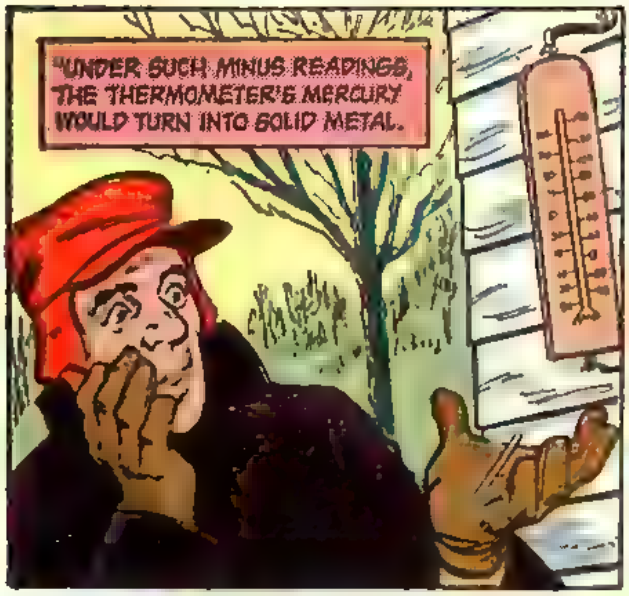
KEEP YOUR LETTERS AND QUESTIONS COMING AND WE WILL TRY TO ANSWER AS MANY OF THEM AS POSSIBLE.

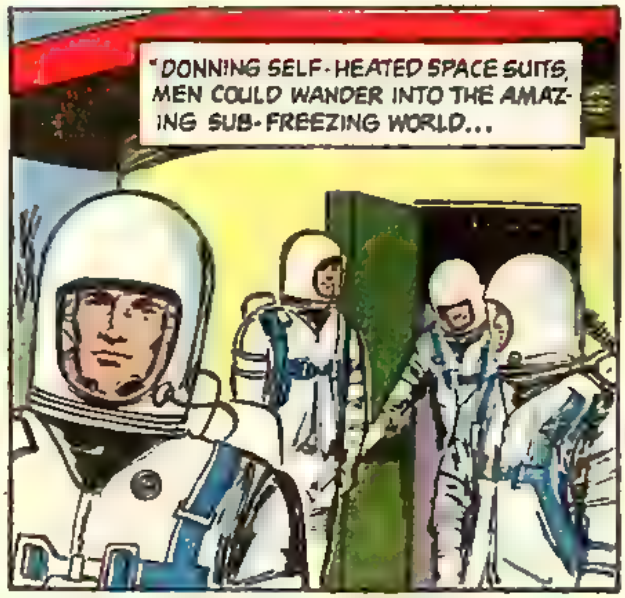
The Editors

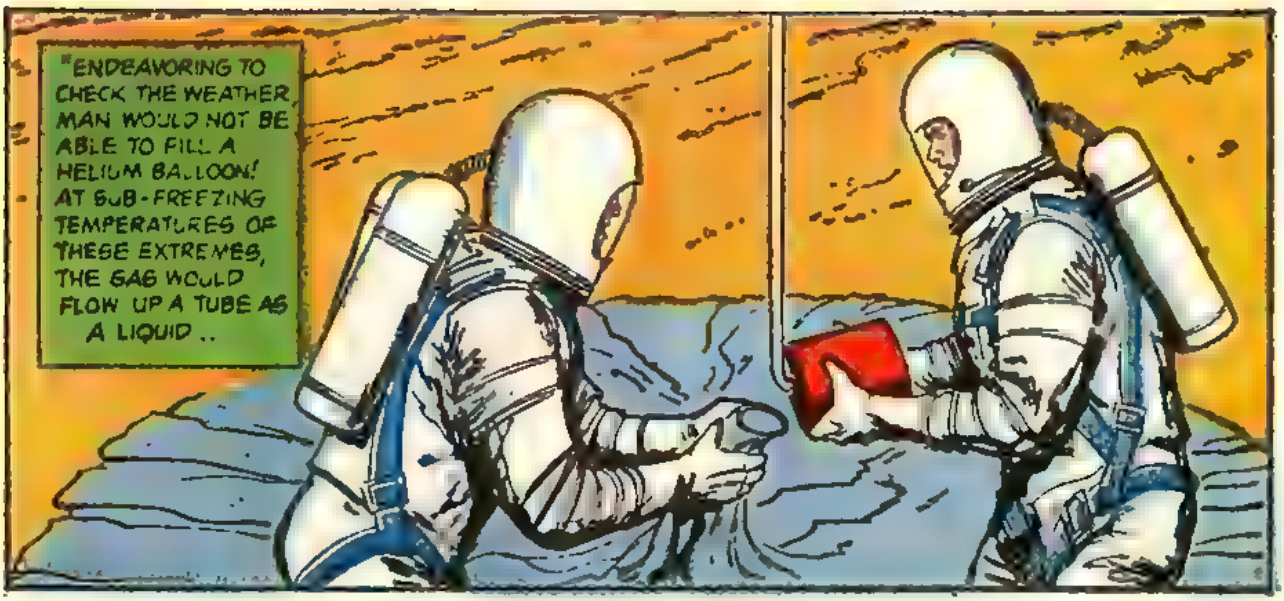
Professor Harbinger
COLD FACTS
WE USUALLY THINK OF NITROGEN AS A GAS! HOWEVER, WHEN ITS TEMPERATURE IS REDUCED TO MINUS 320 DEGREES, NITROGEN BECOMES A LIQUID THAT CAN PLAY FANTASTIC TRICKS!
TAKE AN ORDINARY GARDEN ROSE AND DIP IT INTO THE SUB-FREEZING VAT OF NITROGEN!
AND THE ROSE, LIVING TISSUE ONLY A MOMENT AGO, BECOMES HARD AND BREAKABLE AS STONE!
OR ON YOUR BREAKFAST BANANA, INSTEAD OF CREAM, ADD LIQUID NITROGEN!
AND YOU SUDDENLY HAVE A NEW, HARD-AS-STONE HAMMER THIS IS ANOTHER STARTLING FIND OF THE NEW SCIENCE OF CRYOGENICS--LOW TEMPERATURE PHYSICS!

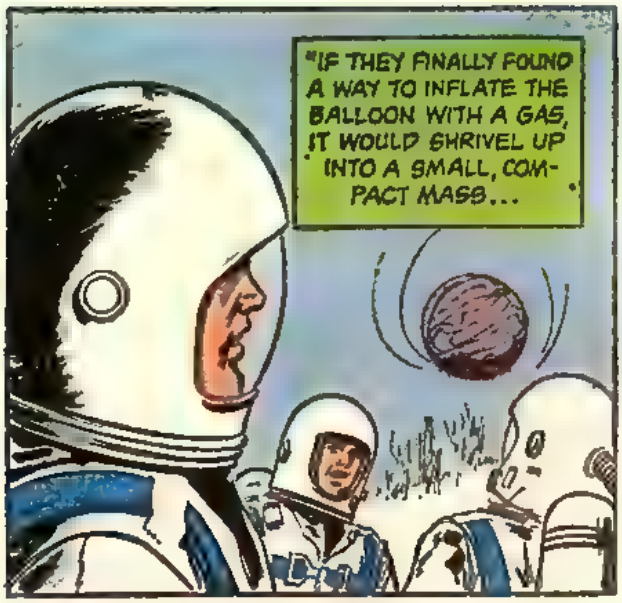
"WITH MORE AND MORE MISSILE PROBING DEEPER INTO SPACE, CRYOGENICS HAS BECOME AN IMPORTANT STUDY TO HELP US LEARN THE EFFECTS OF EXTREME COLD ON KNOWN MATTER...


"SUPPOSING THE EARTH'S TEMPERATURE SUDDENLY DROPPED, AS A GIANT COMET BLOCKED OR REFLECTED ALL SUNLIGHT AWAY FROM EARTH...

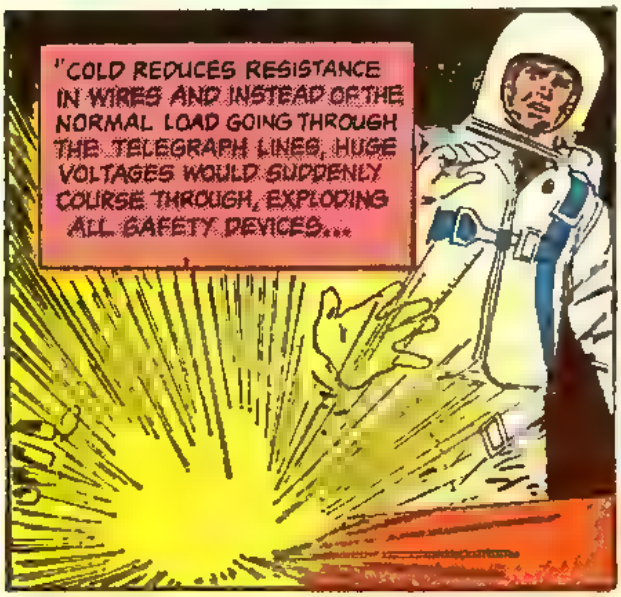

"UNDER SUCH MINUS READINGS, THE THERMOMETER'S MERCURY WOULD TURN INTO SOLID METAL.

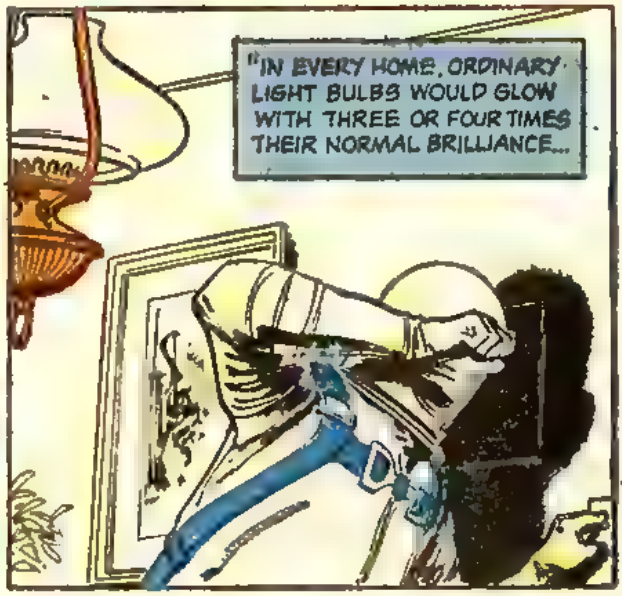

"DONNING SELF-HEATED SPACE SUITS, MEN COULD WANDER INTO THE AMAZING SUB-FREEZING WORLD...


"ENDEAVORING TO CHECK THE WEATHER, MAN WOULD NOT BE ABLE TO FILL A HELIUM BALLOON! AT SUB-FREEZING TEMPERATURES OF THESE EXTREMES, THE GAS WOULD FLOW UP A TUBE AS A LIQUID ..

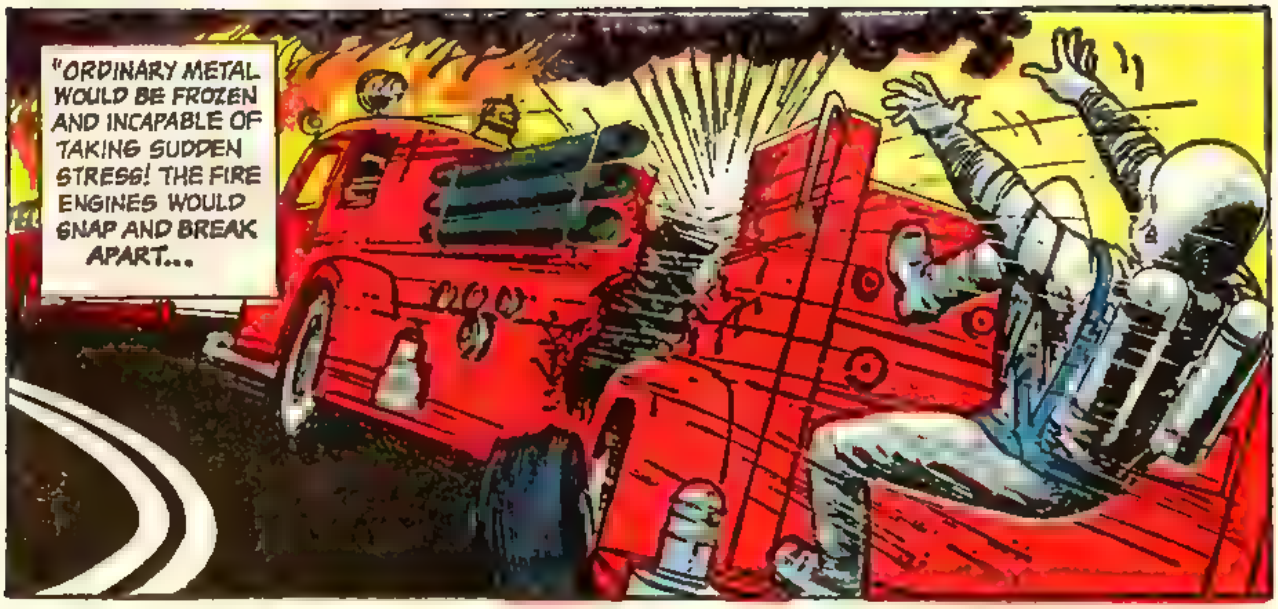

"IF THEY FINALLY FOUND A WAY TO INFLATE THE BALLOON WITH A GAS, IT WOULD SHRIVEL UP INTO A SMALL, COMPACT MASS...

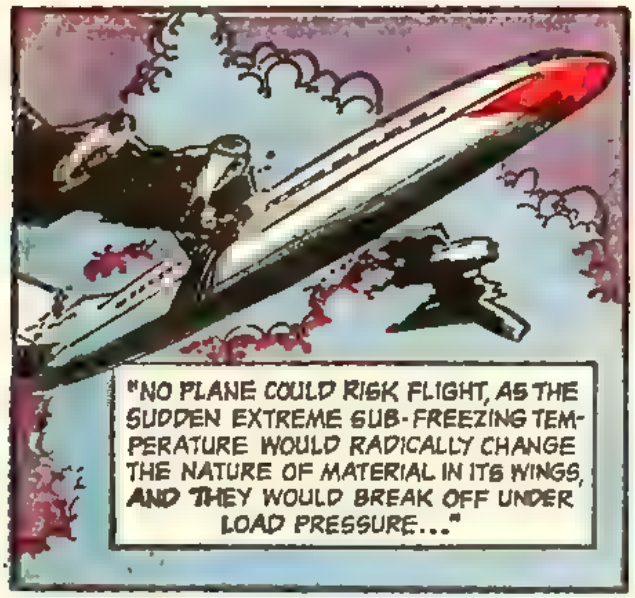
"SIGNALING AROUND THE WORLD WOULD SUDDENLY BECOME A RISKY PROPOSITION...

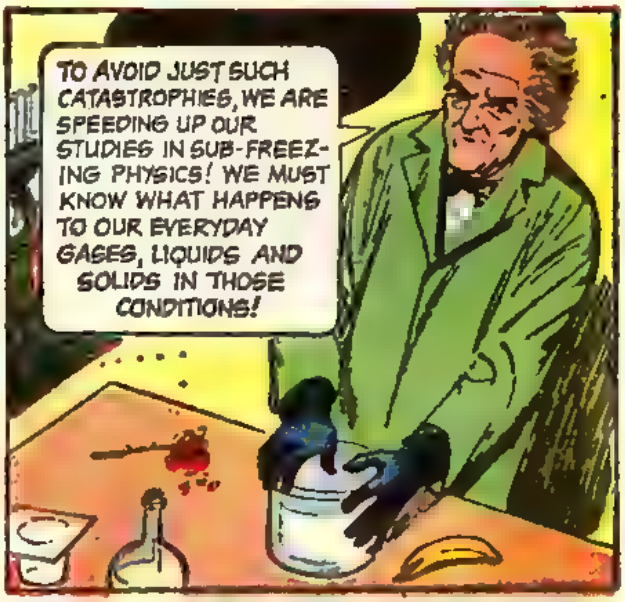

"COLD REDUCES RESISTANCE IN WIRES AND INSTEAD OF THE NORMAL LOAD GOING THROUGH THE TELEGRAPH LINES, HUGE VOLTAGES WOULD SUDDENLY COURSE THROUGH, EXPLODING ALL SAFETY DEVICES...


"IN EVERY HOME, ORDINARY LIGHT BULBS WOULD GLOW WITH THREE OR FOUR TIMES THEIR NORMAL BRILLIANCE...

"ELECTRICAL FIRES WOULD BREAK OUT, AS THE HIGHER VOLTAGE BURNED OUT THE WIRING INSULATION...


"ORDINARY METAL WOULD BE FROZEN AND INCAPABLE OF TAKING SUDDEN STRESS! THE FIRE ENGINES WOULD SNAP AND BREAK APART...


"NO PLANE COULD RISK FLIGHT, AS THE SUDDEN EXTREME SUB-FREEZING TEMPERATURE WOULD RADICALLY CHANGE THE NATURE OF MATERIAL IN ITS WINGS, AND THEY WOULD BREAK OFF UNDER LOAD PRESSURE..."


TO AVOID JUST SUCH CATASTROPHIES, WE ARE SPEEDING UP OUR STUDIES IN SUB-FREEZING PHYSICS! WE MUST KNOW WHAT HAPPENS TO OUR EVERYDAY GASES, LIQUIDS AND SOLIDS IN THOSE CONDITIONS!

CERTAINLY IS COLD TONIGHT-- MY CAR WON'T START!

HMM--ONLY FOURTEEN DEGREES! NOT EVEN BELOW ZERO! I GUESS WE STILL HAVE A LOT TO LEARN ABOUT ORDINARY COLD, TOO!

DOCTOR SOLAR PART II

DUEL TO DISINTEGRATION

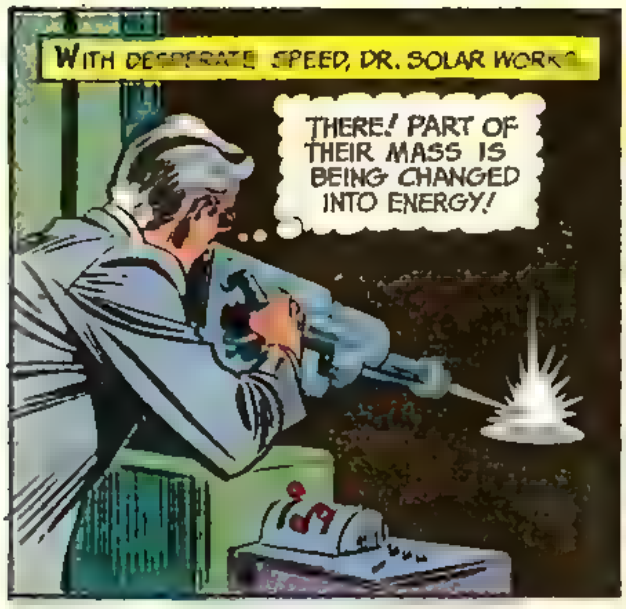
PANIC GRIPS THE TOP SECRET NUCLEAR BASE, AS THE BLAZING FORM STALKS ONWARD! ONE FIGURE HESITATES, SEEKING A WAY TO COMBAT AND DEFEAT THE UNDEFEATABLE! DR. SOLAR STAYS, AS THE SEARING HEAT STRIKES THE BASE IN WITHERING WAVES! ONLY AS THE MAN OF THE ATOM CAN HE RISK COMBAT, BUT THEN, HE KNOWS HE WILL FIGHT WITH ONLY HALF HIS POWERS... AND IS EVEN HIS FULL STRENGTH ENOUGH TO DEFEAT NURO'S DESTRUCTIVE MASTERPIECE?

HE'LL REACH THE REACTOR BUILDING BEFORE I CAN! BUT MY BEST HOPE ISN'T THERE-- IT'S GETTING TO THE ENERGY-MATTER CONVERTER! AND THAT MEANS LEAVING GAIL IN THE REACTOR CHAMBER!

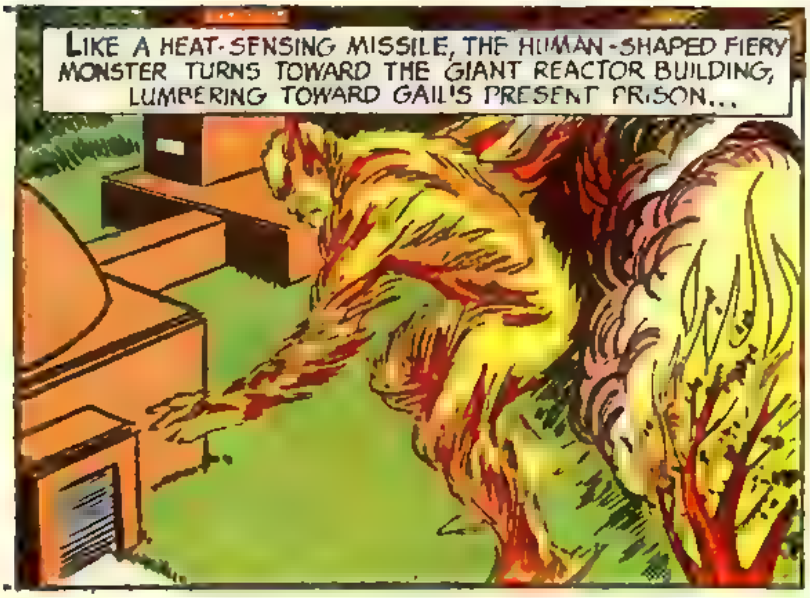
THESE NEW PILLS GAIL STARTED TO MAKE UP FOR ME WILL INCREASE MY MASS, BUT WHAT HAPPENS IF I CONVERT THEIR MATTER INTO ENERGY? WILL THAT GIVE ME MASS *AND* POWER, TOO?

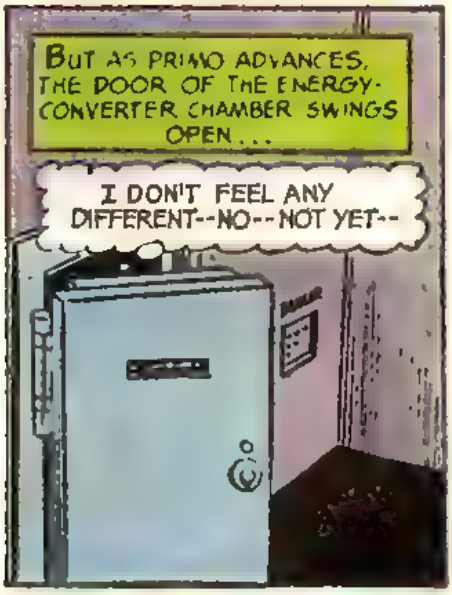
AS DR. SOLAR DARTS INTO THE ENERGY-MATTER CONVERTER, GAIL STRUGGLES VAINLY WITH THE REACTOR CHAMBER'S DOOR..

G-GETTING HOTTER--AND HOTTER--THE LEAD DOOR--MELTED ON THE OUTSIDE--STUCK-- I'M *TRAPPED!* AND THE MONITOR SHOWS T-THAT THING IS COMING *HERE!*

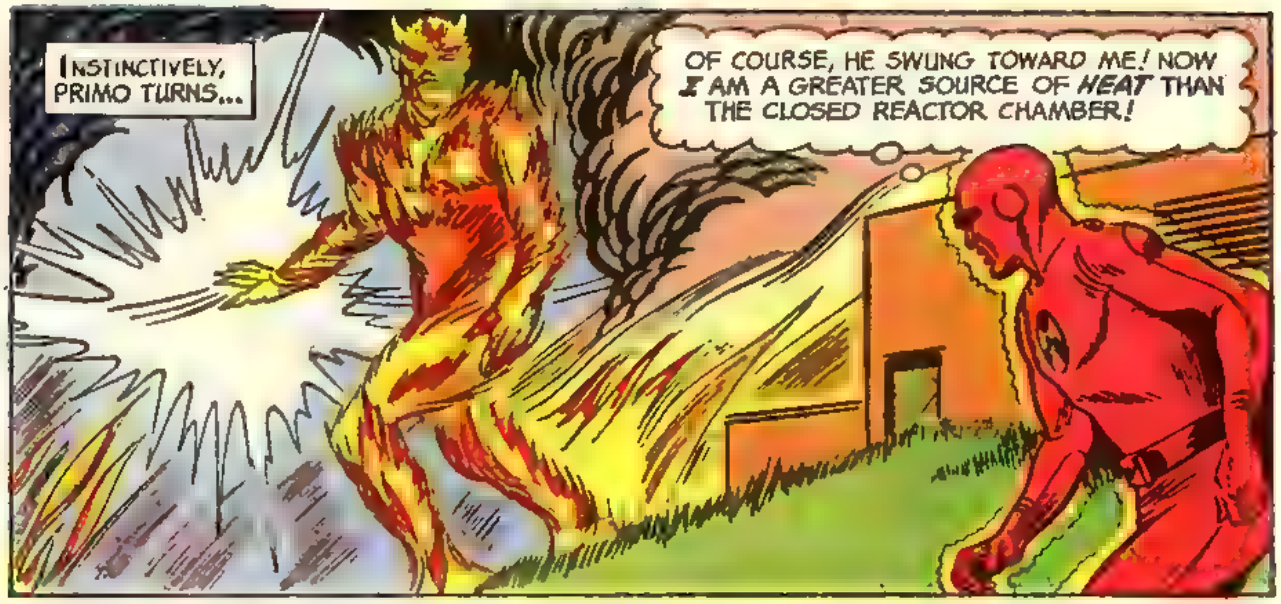

WITH DESPERATE SPEED, DR. SOLAR WORKS
THERE! PART OF THEIR MASS IS BEING CHANGED INTO ENERGY!

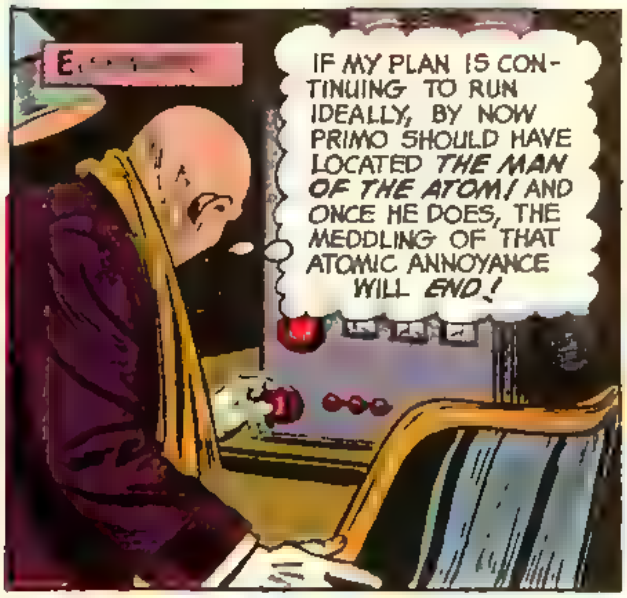
BUT JUST NOW THESE NEW PILLS WILL HELP OR CHANGE MY IMBALANCE REMAINS TO BE SEEN!--I'LL TAKE ONE FOR A START!

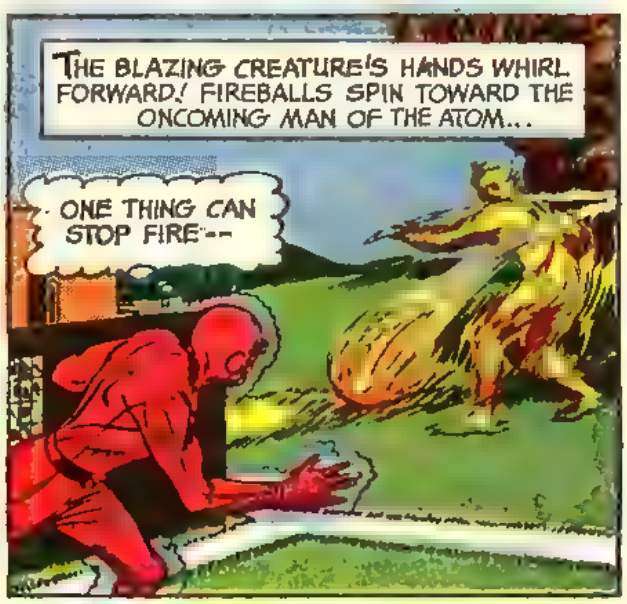

LIKE A HEAT-SENSING MISSILE, THE HUMAN-SHAPED FIERY MONSTER TURNS TOWARD THE GIANT REACTOR BUILDING, LUMBERING TOWARD GAIL'S PRESENT PRISON...


BUT AS PRIMO ADVANCES, THE DOOR OF THE ENERGY-CONVERTER CHAMBER SWINGS OPEN...
I DON'T FEEL ANY DIFFERENT--NO--NOT YET--

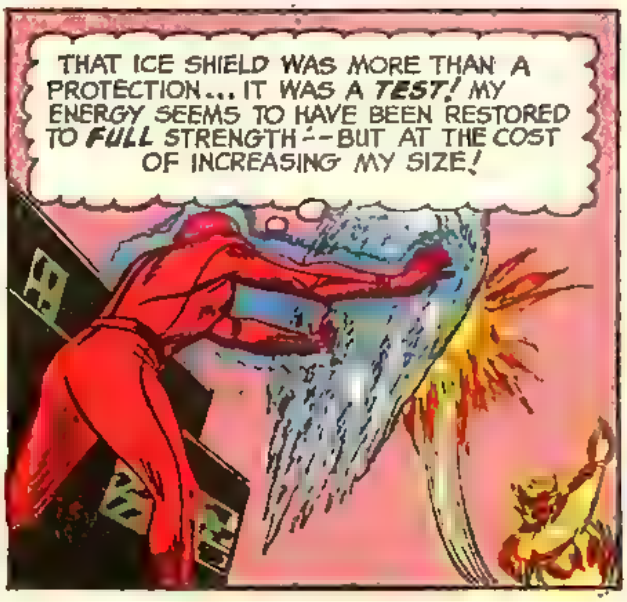
THEN, SUDDENLY, AS THE MAN OF THE ATOM EMERGES, HE BEGINS TO GROW AND GROW...
NOW THE MASS-ADDITIVE IS WORKING! BUT IT'S INCREASING MY SIZE!

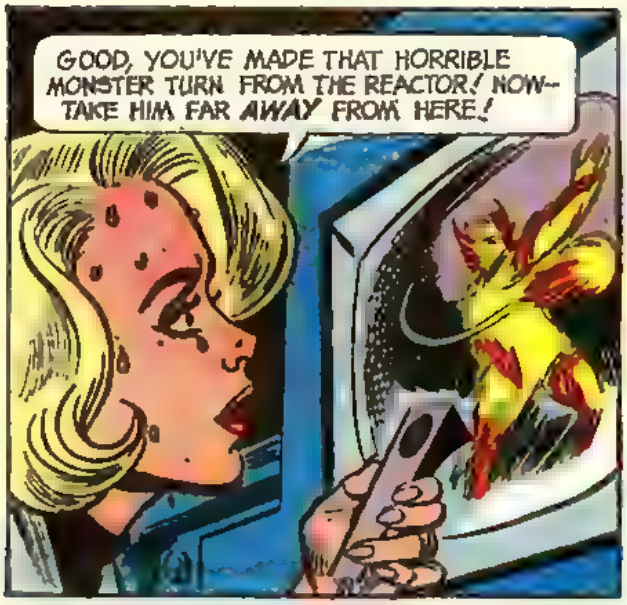

INSTINCTIVELY, PRIMO TURNS...
OF COURSE, HE SWUNG TOWARD ME! NOW I AM A GREATER SOURCE OF HEAT THAN THE CLOSED REACTOR CHAMBER!


IF MY PLAN IS CONTINUING TO RUN IDEALLY, BY NOW PRIMO SHOULD HAVE LOCATED THE MAN OF THE ATOM! AND ONCE HE DOES, THE MEDDLING OF THAT ATOMIC ANNOYANCE WILL END!

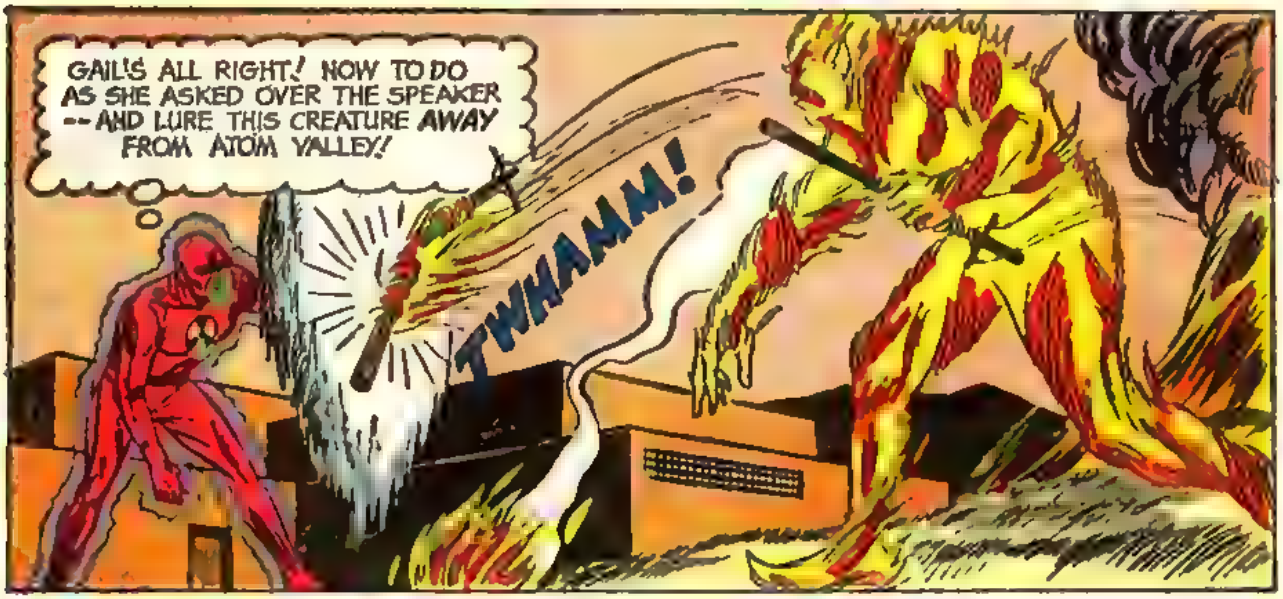

THE BLAZING CREATURE'S HANDS WHIRL FORWARD! FIREBALLS SPIN TOWARD THE ONCOMING MAN OF THE ATOM...
ONE THING CAN STOP FIRE--

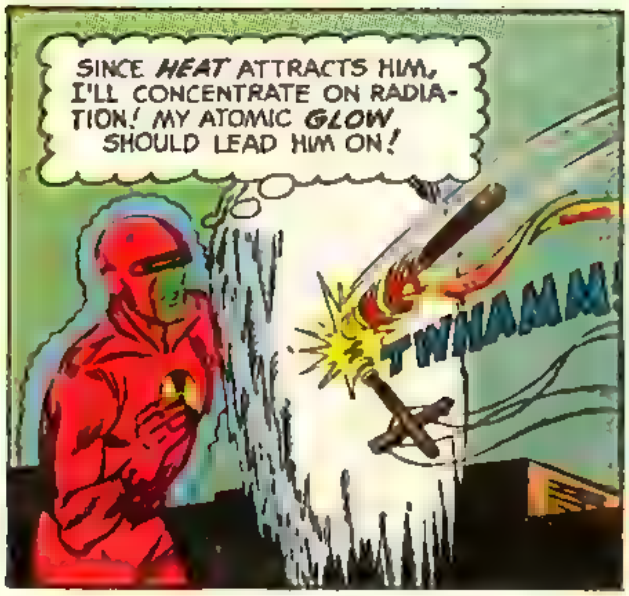
ICE! AND THAT IS AN EASY ENERGY CHANGE FOR ME TO MAKE!

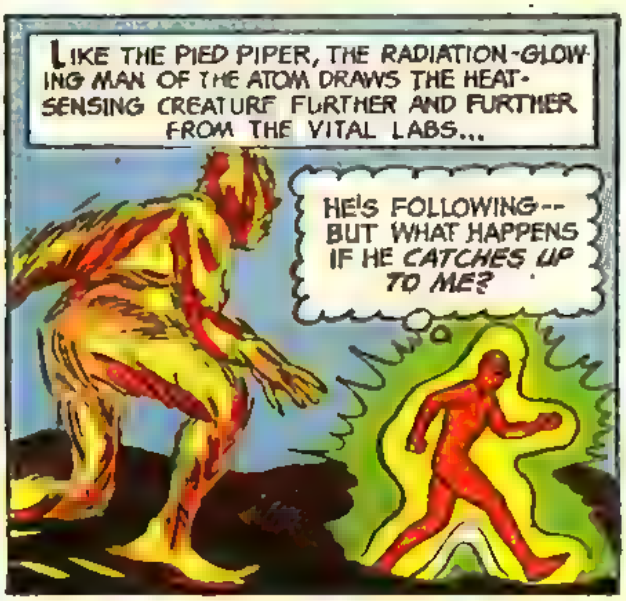

THAT ICE SHIELD WAS MORE THAN A PROTECTION... IT WAS A TEST! MY ENERGY SEEMS TO HAVE BEEN RESTORED TO FULL STRENGTH--BUT AT THE COST OF INCREASING MY SIZE!


GOOD, YOU'VE MADE THAT HORRIBLE MONSTER TURN FROM THE REACTOR! NOW-- TAKE HIM FAR AWAY FROM HERE!

FRUSTRATED BY THE MAN OF THE ATOM'S ICY SHIELD, PRIMO LOOKS FOR ANOTHER WEAPON.


GAIL'S ALL RIGHT! NOW TO DO AS SHE ASKED OVER THE SPEAKER --AND LURE THIS CREATURE AWAY FROM ATOM VALLEY!
TWHAMM!

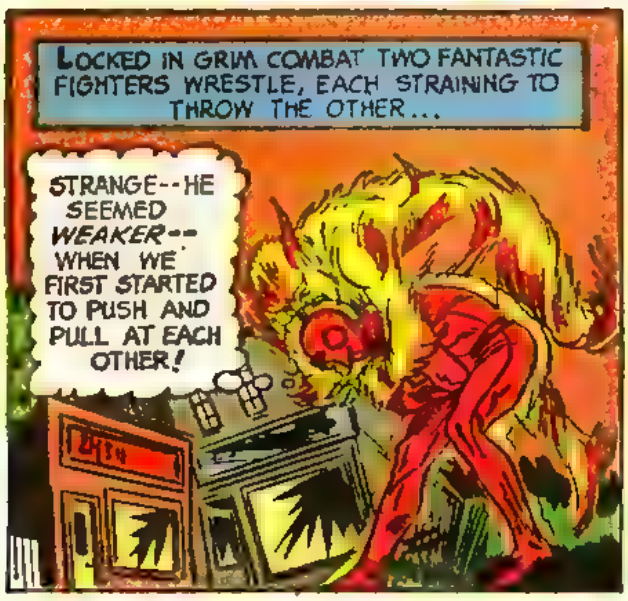

SINCE HEAT ATTRACTS HIM, I'LL CONCENTRATE ON RADIATION! MY ATOMIC GLOW SHOULD LEAD HIM ON!
TWHAMM

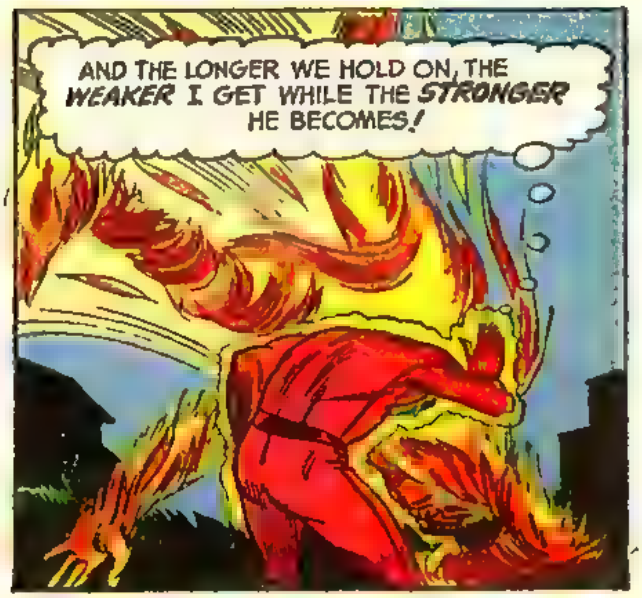

LIKE THE PIED PIPER, THE RADIATION-GLOWING MAN OF THE ATOM DRAWS THE HEAT-SENSING CREATURE FURTHER AND FURTHER FROM THE VITAL LABS...
HE'S FOLLOWING-- BUT WHAT HAPPENS IF HE CATCHES UP TO ME?

POLICE SIRENS SCREAM DOWN THE HIGHWAY, EVACUATING ALL THE HOUSES ALONG THE WAY, AS TWO TOWERING FIGURES CONTINUE THEIR EERIE CHASE...
FUNNY--FEEL--WEAKER--LOSING POWER! MUST BE--TOO BIG--FOR--THE AMOUNT OF POWER--I GOT--FROM--THE PILLS--

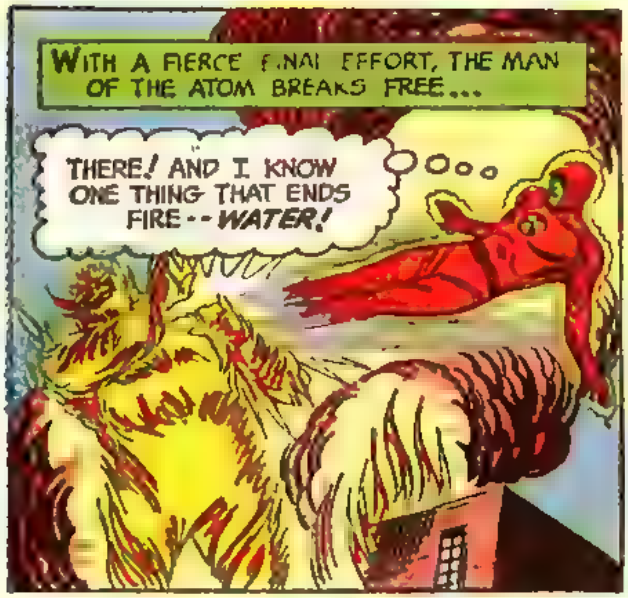
BETTER--TAKE ANOTHER--OF--THE NEW--PILLS--MY ONLY HOPE--FOR TEMPORARY--POWER--WITH THIS --NEW MASS--

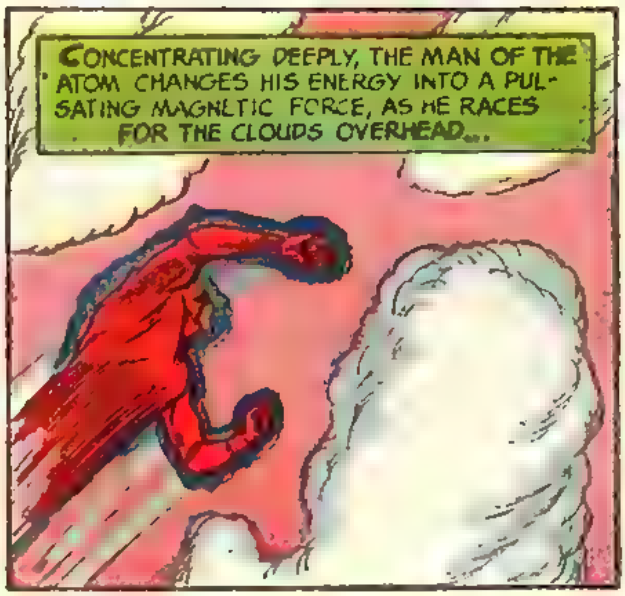
BUT AS THE MAN OF THE ATOM MOMENTARILY HALTS, DESPERATELY TRYING TO REGAIN HIS ENERGY, PRIMO LUNGES FORWARD...
CAUGHT!

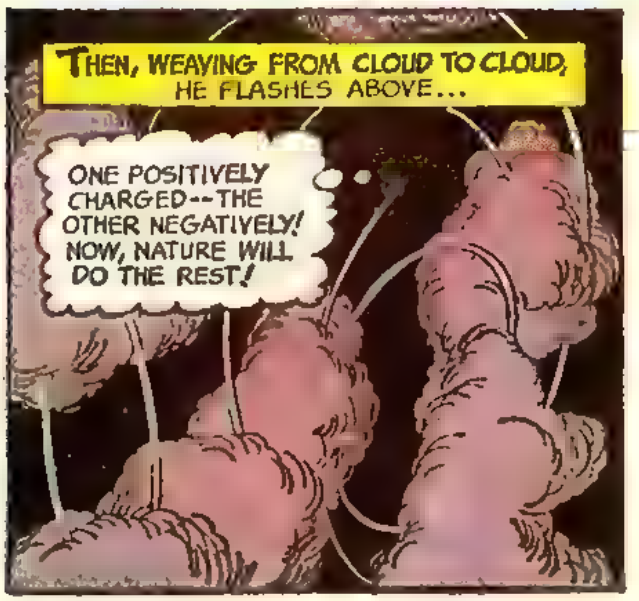

LOCKED IN GRIM COMBAT TWO FANTASTIC FIGHTERS WRESTLE, EACH STRAINING TO THROW THE OTHER...
STRANGE--HE SEEMED *WEAKER*--WHEN WE FIRST STARTED TO PUSH AND PULL AT EACH OTHER!

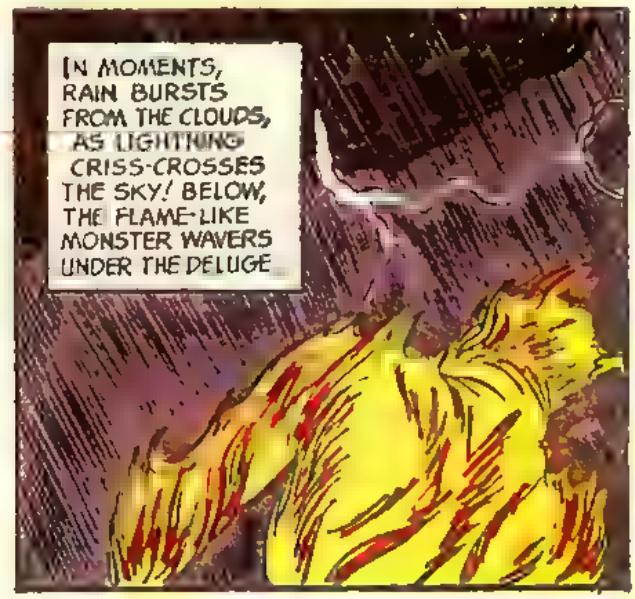

AND THE LONGER WE HOLD ON, THE *WEAKER* I GET WHILE THE *STRONGER* HE BECOMES!

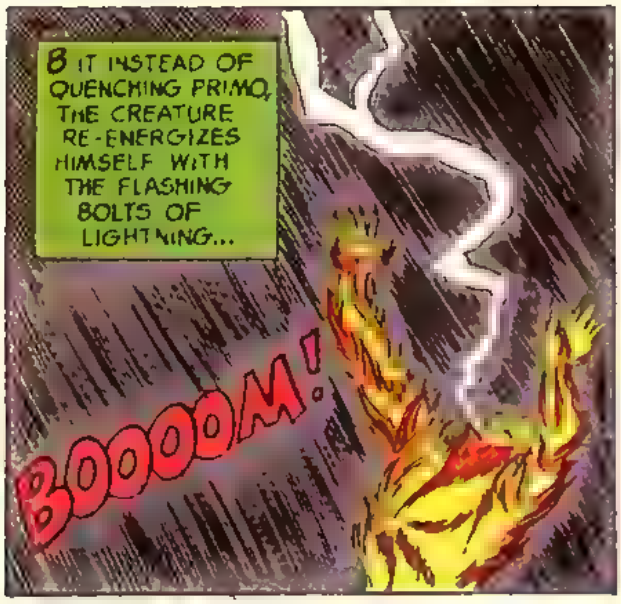
OF COURSE! THAT'S WHY HE IS DRAWN TO HEAT--CONTACT WITH HEAT, THE SOURCE OF HIS OWN BIRTH, STRENGTHENS HIM! AND RIGHT NOW, WHILE HE HOLDS ME, I AM STRENGTHENING HIM!

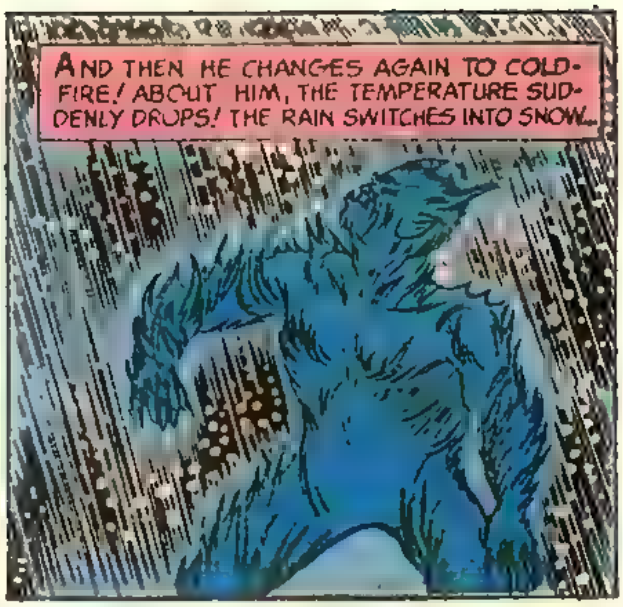

WITH A FIERCE FINAL EFFORT, THE MAN OF THE ATOM BREAKS FREE...
THERE! AND I KNOW ONE THING THAT ENDS FIRE--WATER!


CONCENTRATING DEEPLY, THE MAN OF THE ATOM CHANGES HIS ENERGY INTO A PULSATING MAGNETIC FORCE, AS HE RACES FOR THE CLOUDS OVERHEAD...


THEN, WEAVING FROM CLOUD TO CLOUD, HE FLASHES ABOVE...
ONE POSITIVELY CHARGED--THE OTHER NEGATIVELY! NOW, NATURE WILL DO THE REST!


IN MOMENTS, RAIN BURSTS FROM THE CLOUDS, AS LIGHTNING CRISS-CROSSES THE SKY! BELOW, THE FLAME-LIKE MONSTER WAVERS UNDER THE DELUGE

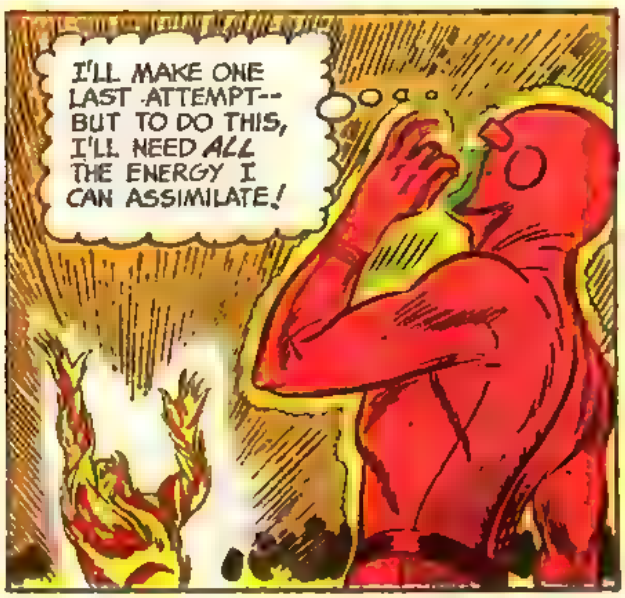

BIT INSTEAD OF QUENCHING PRIMO, THE CREATURE RE-ENERGIZES HIMSELF WITH THE FLASHING BOLTS OF LIGHTNING...
BOOOOM!

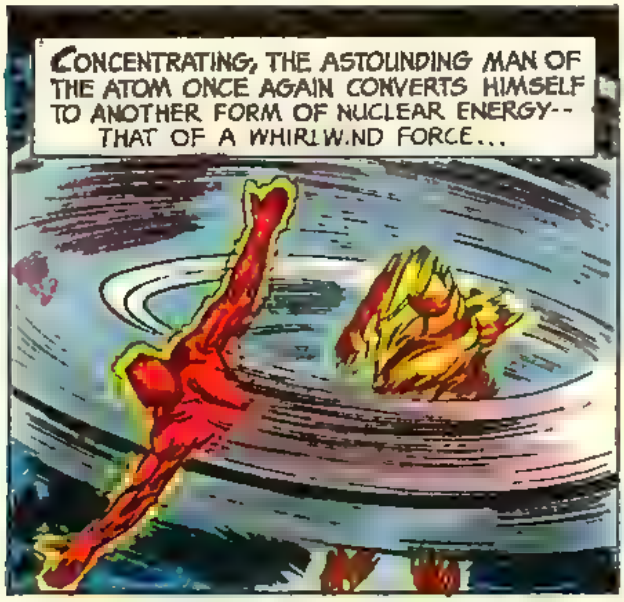

AND THEN HE CHANGES AGAIN TO COLD-FIRE! ABOUT HIM, THE TEMPERATURE SUDDENLY DROPS! THE RAIN SWITCHES INTO SNOW...

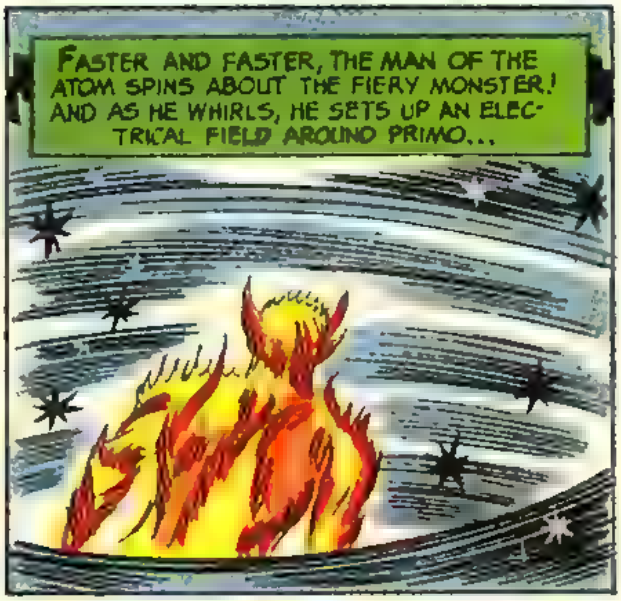
IT DIDN'T WORK! THE STORM IS FALLING AROUND HIM AS HARMLESS SNOW!

AS THE STORM QUICKLY ENDS, PRIMO ONCE AGAIN ASSUMES HIS FIERY, ORIGINAL FORM...

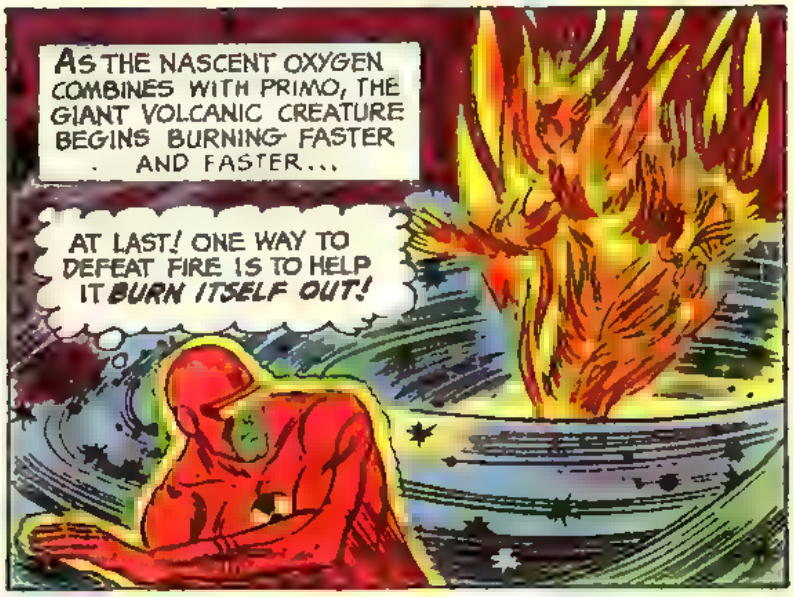
THE MELTING SNOW CASCADES THROUGH THE TOWN...
FLOOD! AS LONG AS HE EXISTS, THIS CREATURE CREATES DESTRUCTION--BUT HOW CAN I DESTROY THE DESTROYER?

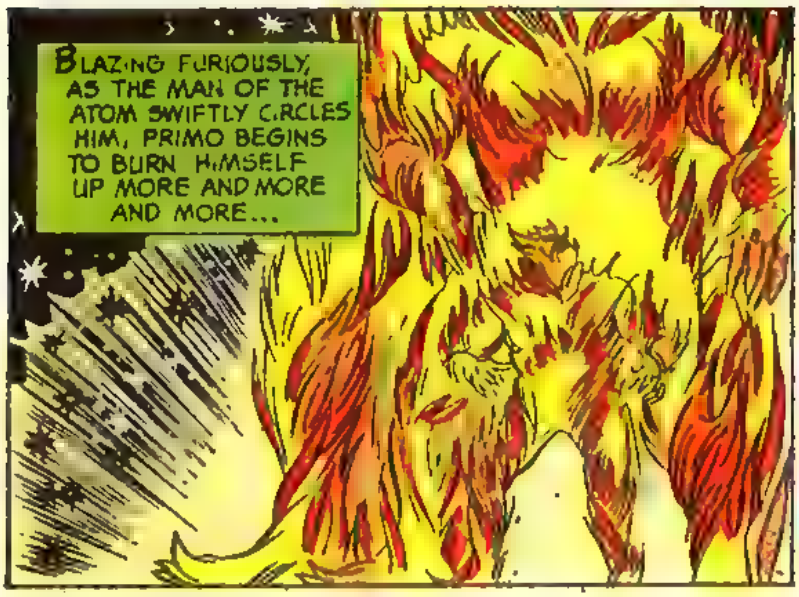

I'LL MAKE ONE LAST ATTEMPT--BUT TO DO THIS, I'LL NEED ALL THE ENERGY I CAN ASSIMILATE!


CONCENTRATING, THE ASTOUNDING MAN OF THE ATOM ONCE AGAIN CONVERTS HIMSELF TO ANOTHER FORM OF NUCLEAR ENERGY--THAT OF A WHIRLWIND FORCE...

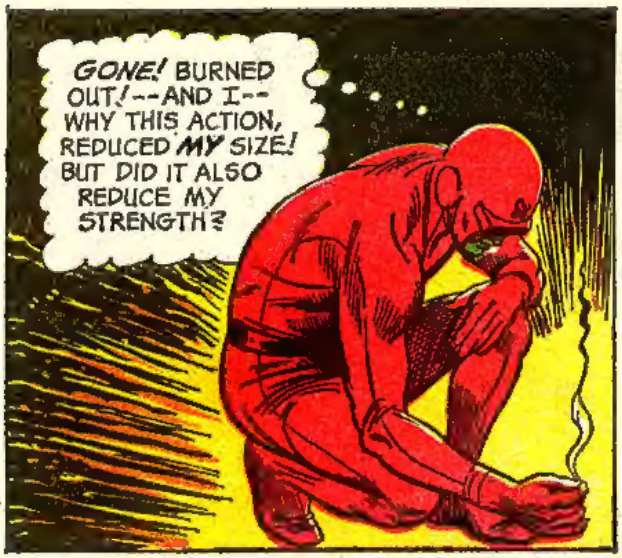

FASTER AND FASTER, THE MAN OF THE ATOM SPINS ABOUT THE FIERY MONSTER! AND AS HE WHIRLS, HE SETS UP AN ELECTRICAL FIELD AROUND PRIMO...

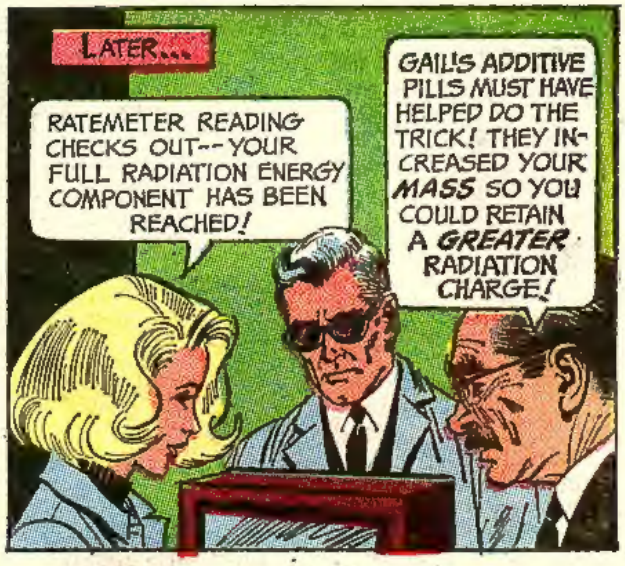
THE ELECTRIC FIELD SUDDENLY SPLITS OXYGEN LOOSE FROM THE SURROUNDING AIR...


AS THE NASCENT OXYGEN COMBINES WITH PRIMO, THE GIANT VOLCANIC CREATURE BEGINS BURNING FASTER AND FASTER...
AT LAST! ONE WAY TO DEFEAT FIRE IS TO HELP IT BURN ITSELF OUT!


BLAZING FURIOUSLY, AS THE MAN OF THE ATOM SWIFTLY CIRCLES HIM, PRIMO BEGINS TO BURN HIMSELF UP MORE AND MORE AND MORE...

TILL FINALLY...
OOOOOOF!




LATER...
RATEMETER READING CHECKS OUT--YOUR FULL RADIATION ENERGY COMPONENT HAS BEEN REACHED!
GAILS ADDITIVE PILLS MUST HAVE HELPED DO THE TRICK! THEY INCREASED YOUR MASS SO YOU COULD RETAIN A GREATER RADIATION CHARGE!

BUT THEY ALSO GREATLY INCREASED HIS SIZE!
TRUE, BUT WHOEVER CREATED THAT CREATURE FROM THE DEPTHS OF A VOLCANO HELPED ME! IN FIGHTING THAT MOLTEN MONSTER, MY SYSTEM WAS RESTORED TO ITS CORRECT BALANCE WHEN I REDUCED MY SIZE! BUT I STILL HAVE TO LEARN WHO I HAVE TO THANK--AND FEAR!

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION (Act of October 23, 1962; Section 4369, Title 39, United States Code).

1. Date of filing: September 28, 1965.

2. Title of publication: DOCTOR SOLAR, MAN OF THE ATOM.

3. Frequency of issue: Quarterly.

4. Location of known office of publication: North Road, Poughkeepsie, Dutchess County, New York 12601.

5. Location of the headquarters or general business offices of the publishers: North Road, Poughkeepsie, New York 12601.

6. Names and addresses of publisher, editor and managing editor. Publisher: K. K. Publications, Inc., North Road, Poughkeepsie, N.Y. 12601.
Editor: Marquis M. Morse, Staatsburg, N.Y.
Managing Editor: Marquis M. Morse, Staatsburg, N.Y.

7. The owner is K.K. Publications, Inc., Poughkeepsie, N.Y. (Western Publishing Company, Racine, Wisconsin); Stockholders at Racine, Wisconsin: H. M. Benstead Trust, Carif & Company, Arthur J. Christiansen Revocable Trust, C. W. DeWitt Trust, Firac & Co., Henry J. Haumersen, Herman E. Johnson, Paul Lyle, A. C. Naleid Trust, B. Howard Schaffer, Henry VanWingen, E. G. Voigt Estate, Ralph Voigt, W. R. Wadewitz Revocable Trust, Western Profit Sharing Trust Plan, Jerome C. Wiechers; Stockholders at Poughkeepsie, N.Y.: Charles Brose, Harold D. Spencer: Stockholders at New York, N.Y.: Finman & Co., Pocket Books, Inc., Tegge & Co., Tepe & Co.; Stockholder at St. Louis, Mo.: John M. Wolff; Stockholder at Los Angeles, California: Robert S. Callander; Stockholders at Boston, Mass.: Federal & Co., Lot & Co.; Stockholder at Milwaukee, Wisconsin: Band & Co.; Stockholder at Minneapolis, Minn.: Var & Co.

8. The known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages or other securities are: at Racine, Wisconsin: H. M. Benstead Trust, Jessie I. Benstead, Alma C. Boernke, Arthur J. Christiansen Term. Trust, C. W. DeWitt Trust, James Drinkwater & Marie Drinkwater, Henry J. Haumersen, Hannah Marie Hinds, M. O. Lawson Trust, Roy Maher Estate, B. H. Schaffer, Jessie Mignon Spencer Trust, Roy A. Spencer Residuary Trust, Henry VanWingen, E. G. Voigt Estate, Nellie M. Voigt, Ralph Voigt, Robert M. Wadewitz Marital Trust, W. R. Wadewitz Revocable Trust, Western Profit Sharing Trust Plan, Western Retirement Trust, Western Welfare Association, Benton J. Wiechert, Jerome C. Wiechers, Trust Under Will of John Wiechers, Richard J. Wiechers; At Evanston, Illinois, Alice Schulte.

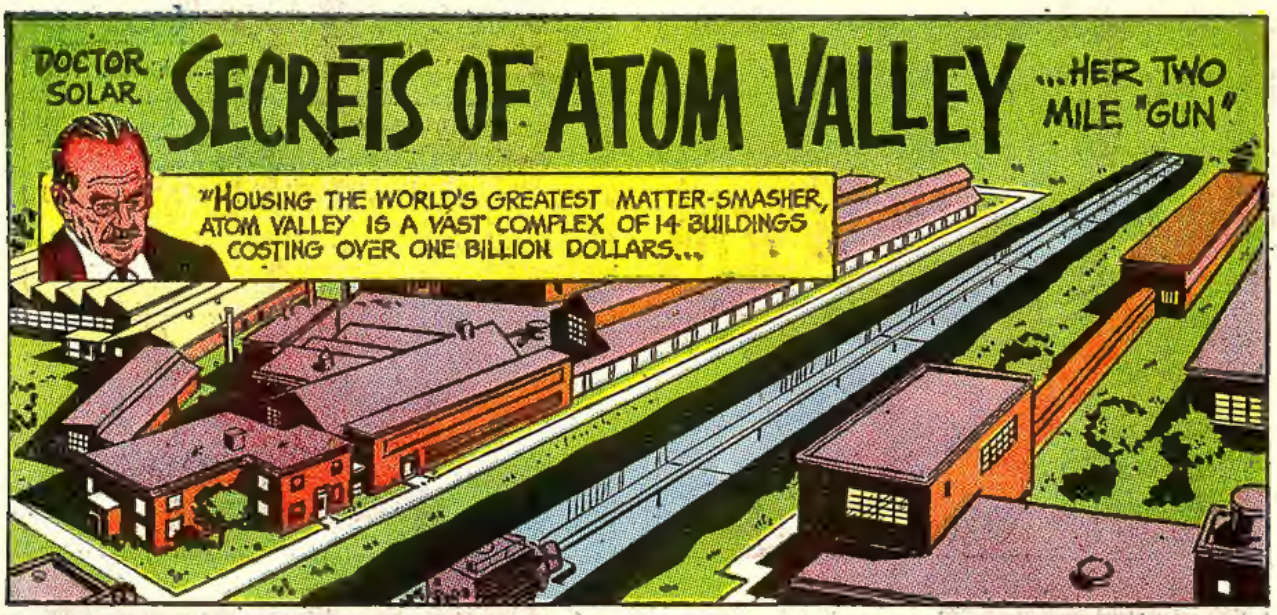
9. Paragraphs 7 and 8 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner. Names and addresses of individuals who are stockholders of a corporation which itself is a stockholder or holder of bonds, mortgages or other securities of the publishing corporation have been included in paragraphs 7 and 8 when the interests of such individuals are equivalent to 1 per cent or more of the total amount of the stock or securities of the publishing corporation.

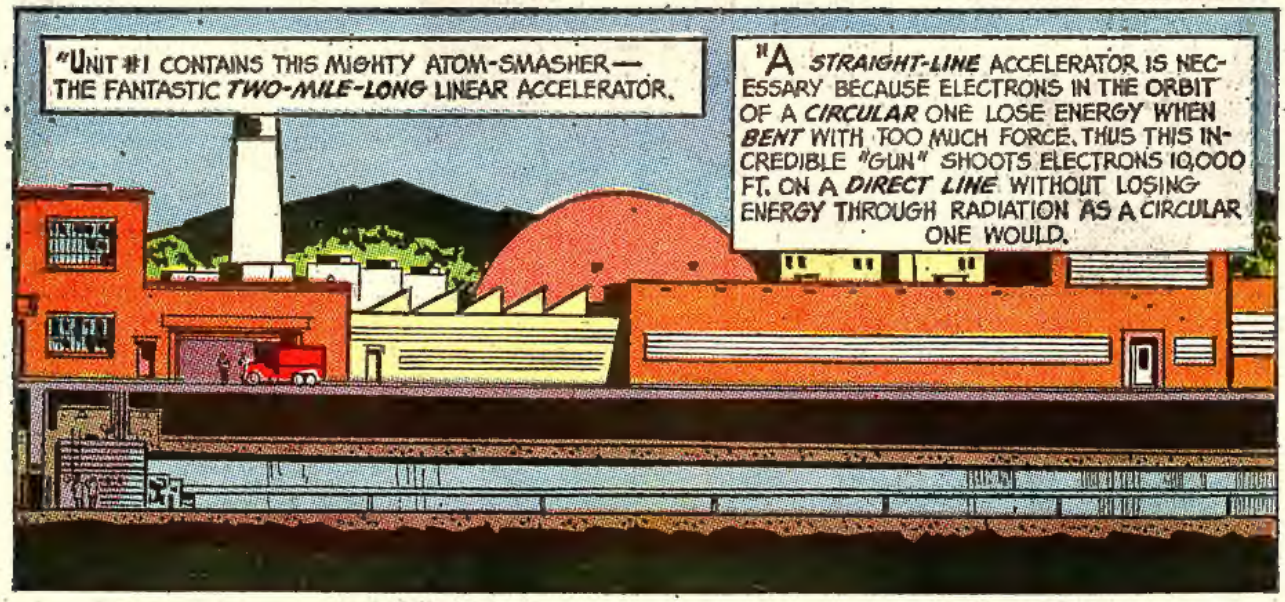
10. This item must be completed for all publications except those which do not carry advertising other than the publisher's own and which are named in sections 132.231, 132.232, and 132.233, postal manual (Sections 435a, 4355a, and 4356 of Title 39, United States Code).

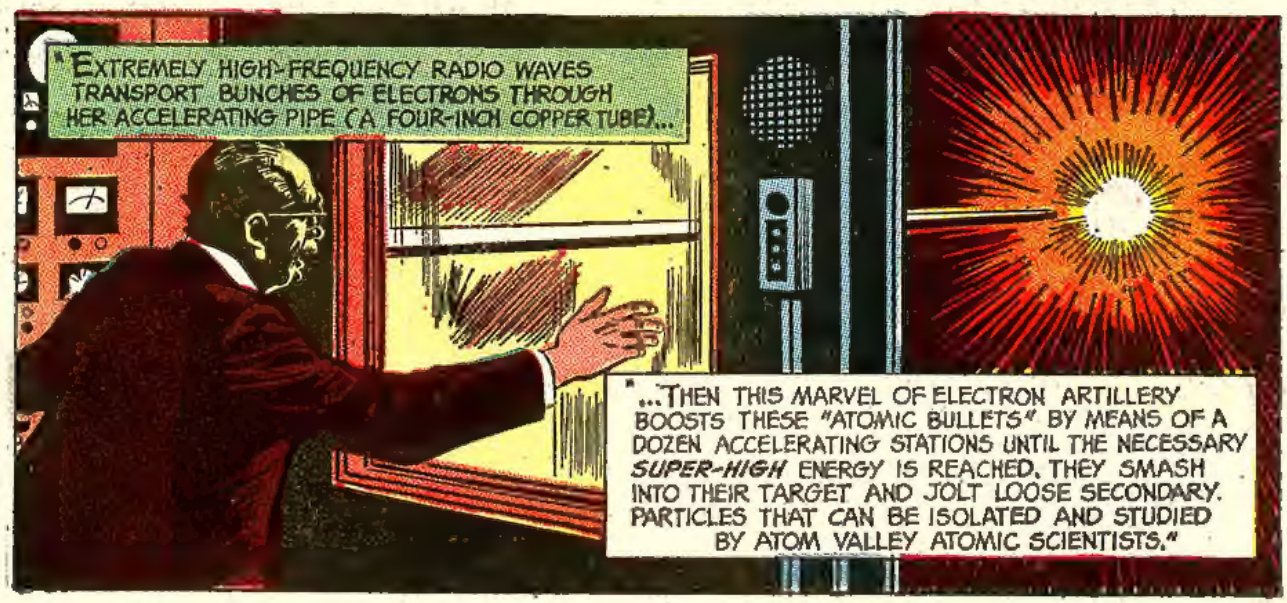
	Average no. copies each issue during preceding 12 months.	Single issue nearest to filing date.
A. Total No. Copies Printed (net press run)	407,454	396,685
B. Paid Circulation		
1. Sales through dealers and carriers, street vendors and counter sales	225,280	247,400
2. Mail Subscriptions	1,440	600
C. Total Paid Circulation	226,720	248,000
D. Free Distribution (including samples) by mail, carrier or other means	823	789
E. Total Distribution (Sum of C and D)	227,543	248,789
F. Office Use, Left-over, Unaccounted, Spoiled after Printing	179,911	147,896
G. Total (Sum of E & F—should equal net press run shown in A)	407,454	396,685

I CERTIFY THAT THE STATMENTS MADE BY ME ABOVE ARE CORRECT AND COMPLETE.

H. L. ANDERSON
Business Manager


DOCTOR SOLAR
SECRETS OF ATOM VALLEY
...HER TWO MILE "GUN"
"HOUSING THE WORLD'S GREATEST MATTER-SMASHER, ATOM VALLEY IS A VAST COMPLEX OF 14 BUILDINGS COSTING OVER ONE BILLION DOLLARS...


"UNIT #1 CONTAINS THIS MIGHTY ATOM-SMASHER— THE FANTASTIC TWO-MILE-LONG LINEAR ACCELERATOR.
"A STRAIGHT-LINE ACCELERATOR IS NECESSARY BECAUSE ELECTRONS IN THE ORBIT OF A CIRCULAR ONE LOSE ENERGY WHEN BENT WITH TOO MUCH FORCE. THUS THIS INCREDIBLE "GUN" SHOOTS ELECTRONS 10,000 FT. ON A DIRECT LINE WITHOUT LOSING ENERGY THROUGH RADIATION AS A CIRCULAR ONE WOULD.


"EXTREMELY HIGH-FREQUENCY RADIO WAVES TRANSPORT BUNCHES OF ELECTRONS THROUGH HER ACCELERATING PIPE (A FOUR-INCH COPPER TUBE)...
...THEN THIS MARVEL OF ELECTRON ARTILLERY BOOSTS THESE "ATOMIC BULLETS" BY MEANS OF A DOZEN ACCELERATING STATIONS UNTIL THE NECESSARY SUPER-HIGH ENERGY IS REACHED. THEY SMASH INTO THEIR TARGET AND JOLT LOOSE SECONDARY PARTICLES THAT CAN BE ISOLATED AND STUDIED BY ATOM VALLEY ATOMIC SCIENTISTS."

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